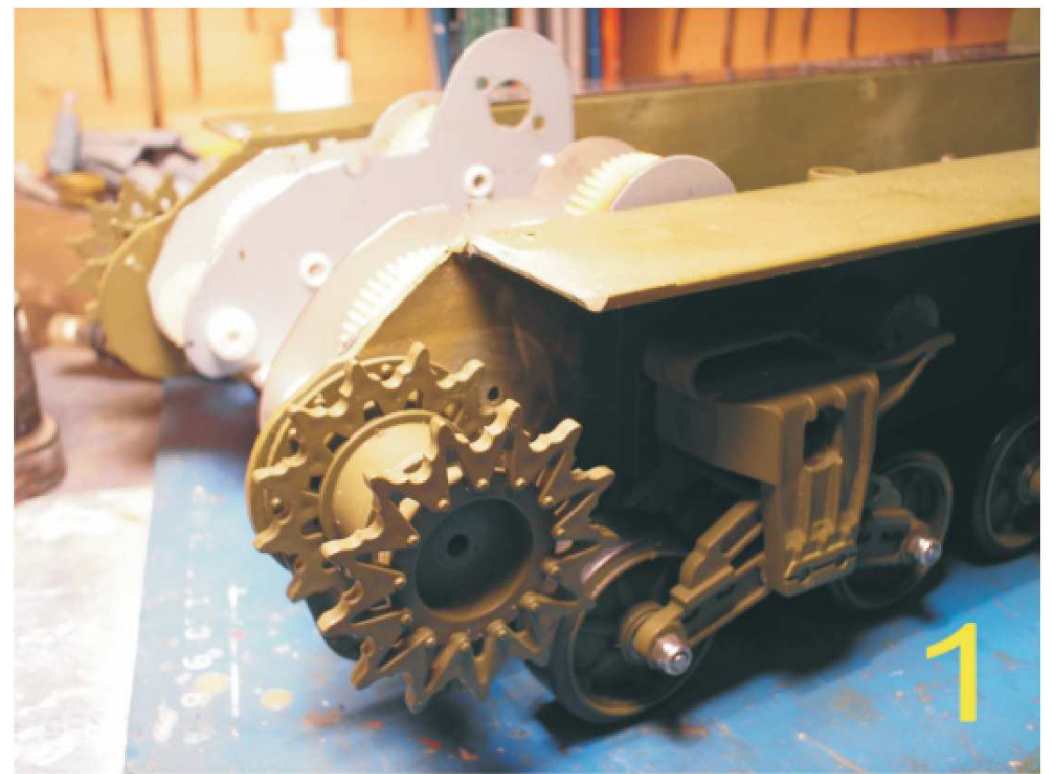


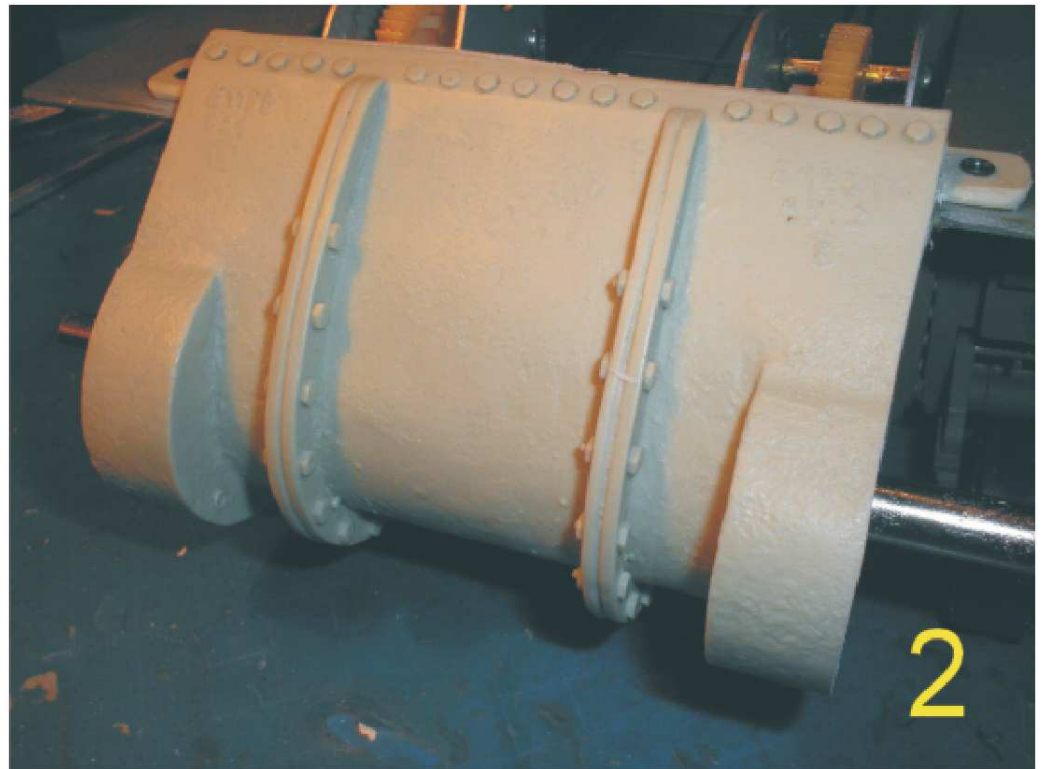
1.

We haven't shown any pictures of disassembling the HL M4A3. It is pretty straight forward to remove the upper hull and turret. Once you have the lower hull isolated you will need to do some work on the front end in order to accommodate the 3 piece transmission cover. First, prepare the 3 piece transmission cover by trimming off excess resin. Second, remove the gear boxes from the lower hull. Next remove the drive assembly cover behind the sprockets. This can done with glue solvent or simply pry them off. Sand smooth. You will need to reduce the height of the gearbox frames by grinding them down as shown. Cut away the fenders and round fronts as shown in the picture slowly. Do a little at a time and text fit the 3 piece transmission cover as you go...

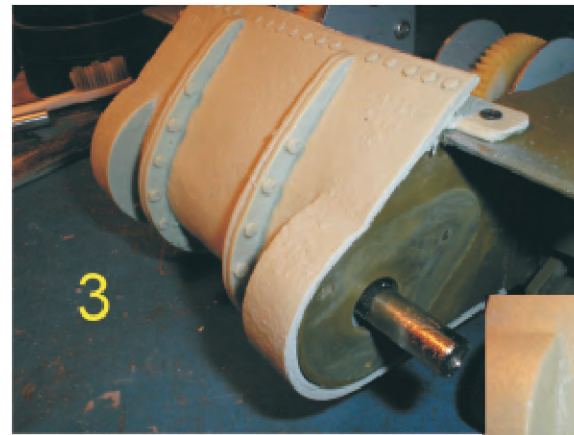


2.

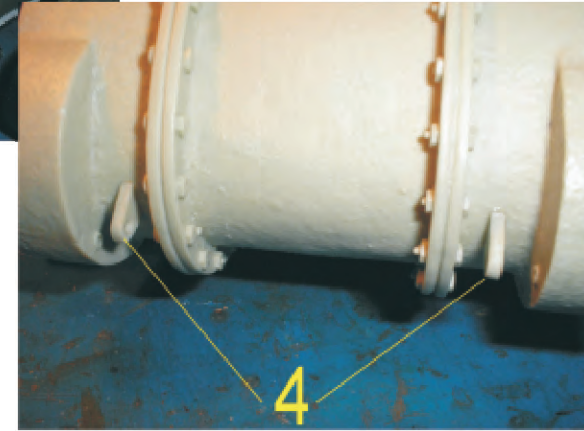
Your 3 piece transmission cover should now line up with all the fastening holes from the original transmission cover. bolt in when you have the fit.



3.
Once you have a good fit it should look like this. At this point you can add the hex bolts to make it more accurate. I simply take some styrene rod and form hexes and then slice and glue. There is lots of reference online for the pattern.



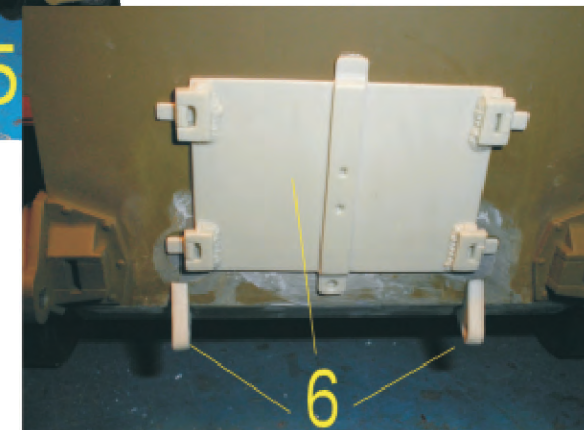
4.
Attach the towing lugs as shown.



5.
On the rear plate remove all fixtures fill holes and sand smooth.

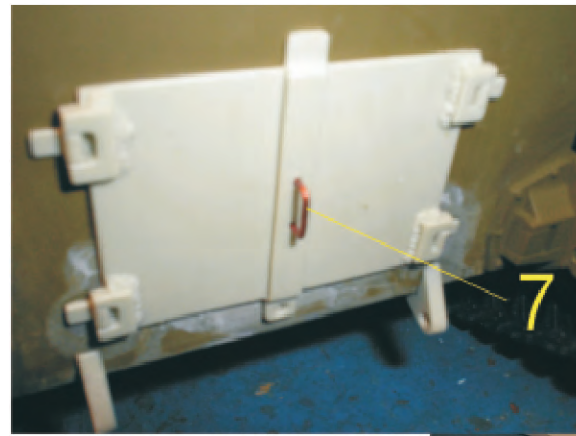


6.
Glue on proper A4 doors and attach rear towing lugs.



7.
Use 1mm copper wire or paperclip and form a handle as shown.
Use CA glue to attach or carefully use a soldering gun to heat
the copper till it melts into the doors.

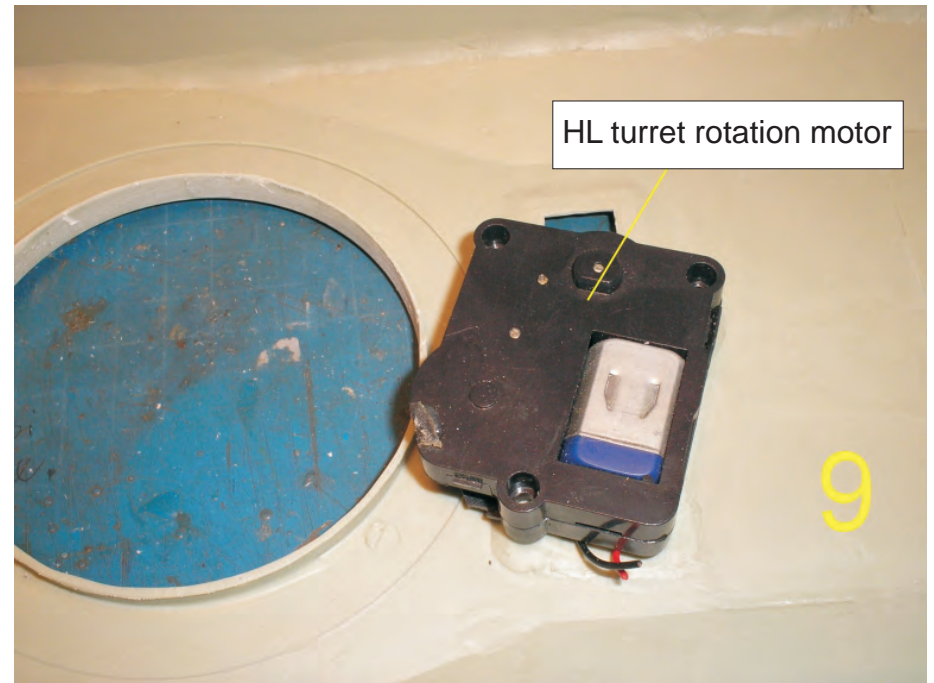
NOTE! This step should actually be done before gluing the
doors on the rear plate.



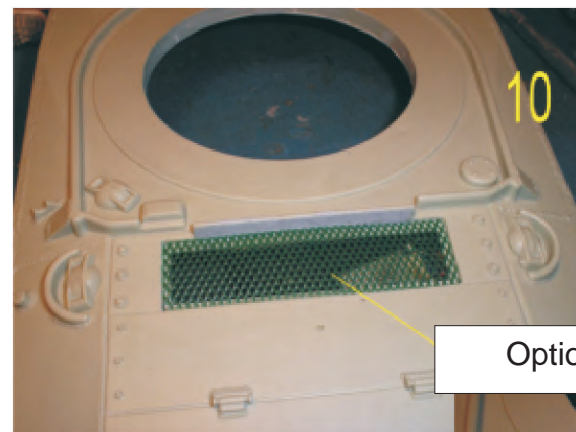
8.
Prep the turret motor mounting posts by pre-drilling holes
carefully into the posts.



9.
CAREFULLY SLOWLY thread the screws into the holes to
mount the turret rotation motor as shown.

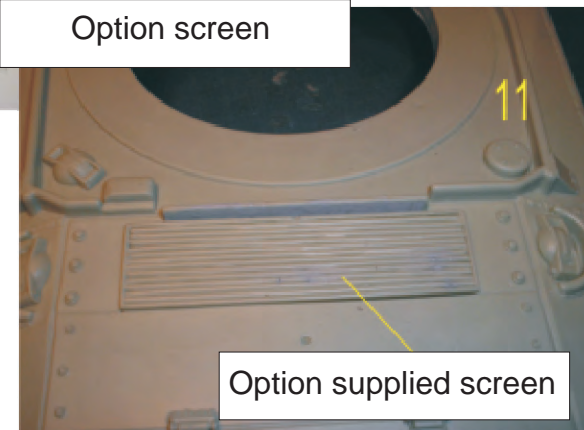


10.
There were several variations of the large air vent covers. We have supplied a resin version of one or you can choose to instal vinyl screen as shown.



Option screen

11.
Supplied resin cover.



Option supplied screen

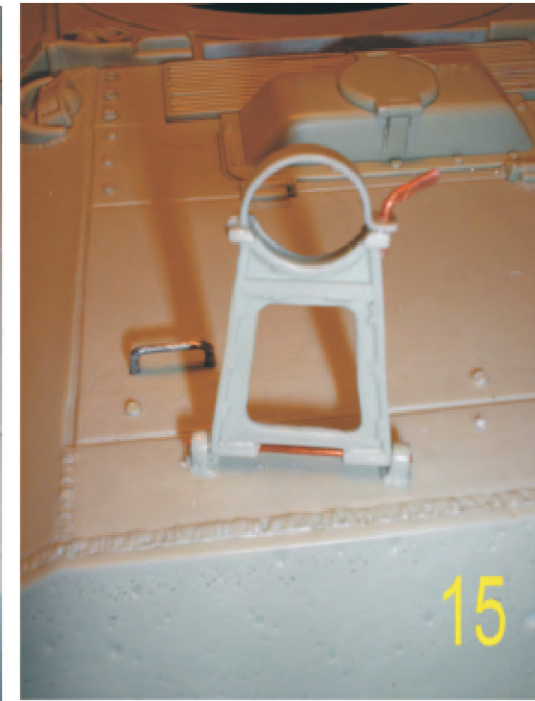
12.
Install radiator cover as shown



13.
Install engine access panel handles as shown. Again 1mm copper wire or paper clips bent to shape.

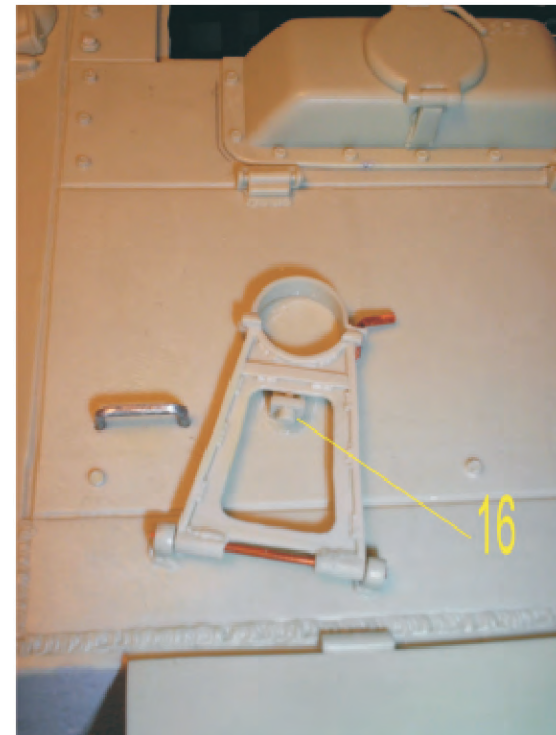


14.
CAREFULLY trim away excess resin from barrel travel lock. bore out mounting points on upper hull and on the travel lock with 1mm drill and use 1mm copper wire for pivot shaft and barrel lock as shown.



15.
CAREFULLY test operation of the barrel travel lock.

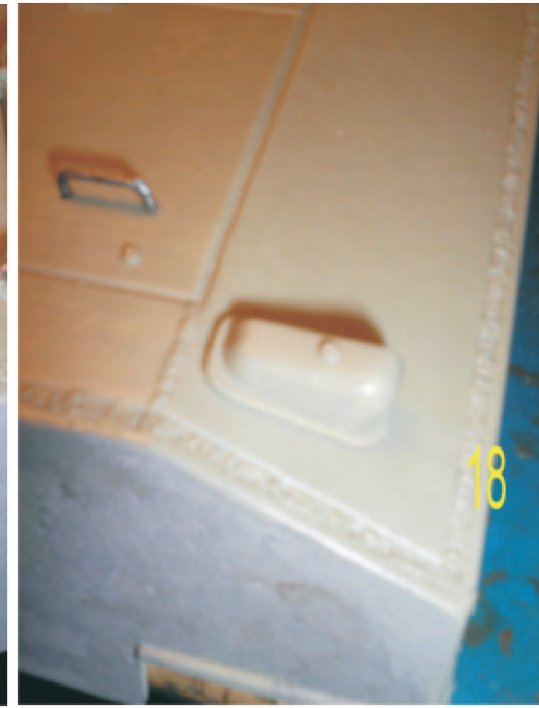
16.
Install barrel travel lock stay as shown.



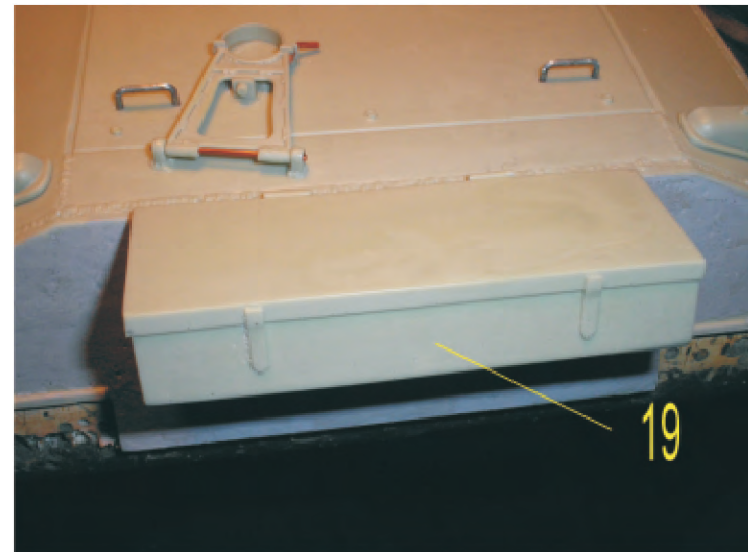
17.
Install left air intake cover as shown



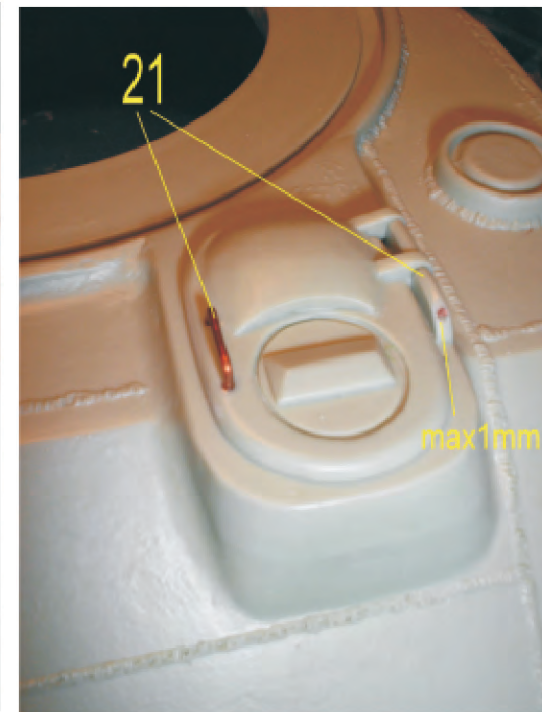
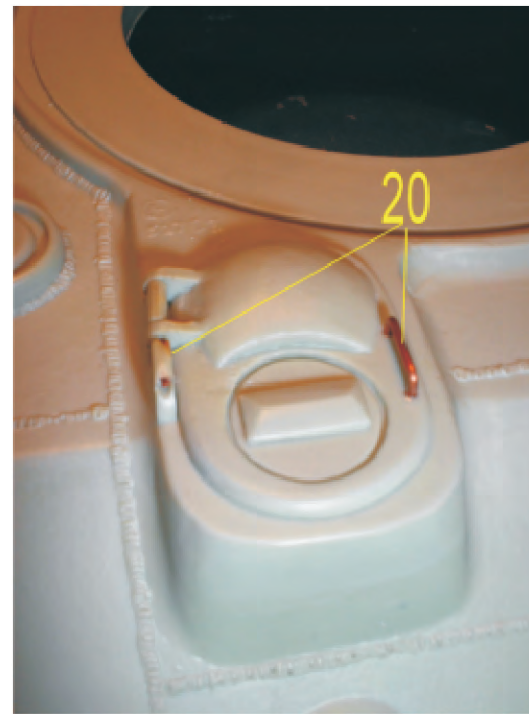
18.
Install right air intake cover as shown



19.
Install rear storage box as shown.

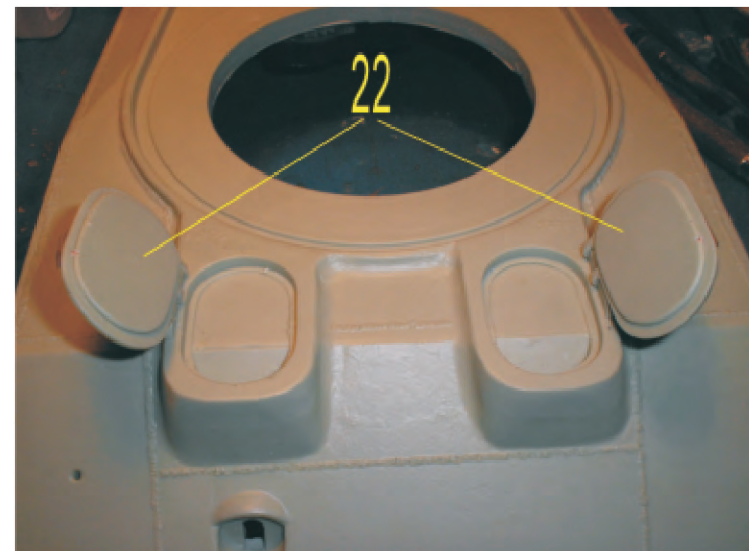


20.
CAREFULLY trim away excess resin from the small hatches and bore out mounting points on upper hull and on the hatches with 1mm drill and use 1mm copper wire for hinge and handle.



21.
Right hatch as above.

22.
CAREFULLY test functionality of the hatches. you can choose at this point to drill out the interior of the hatches. If you choose to do this please do so with great care!



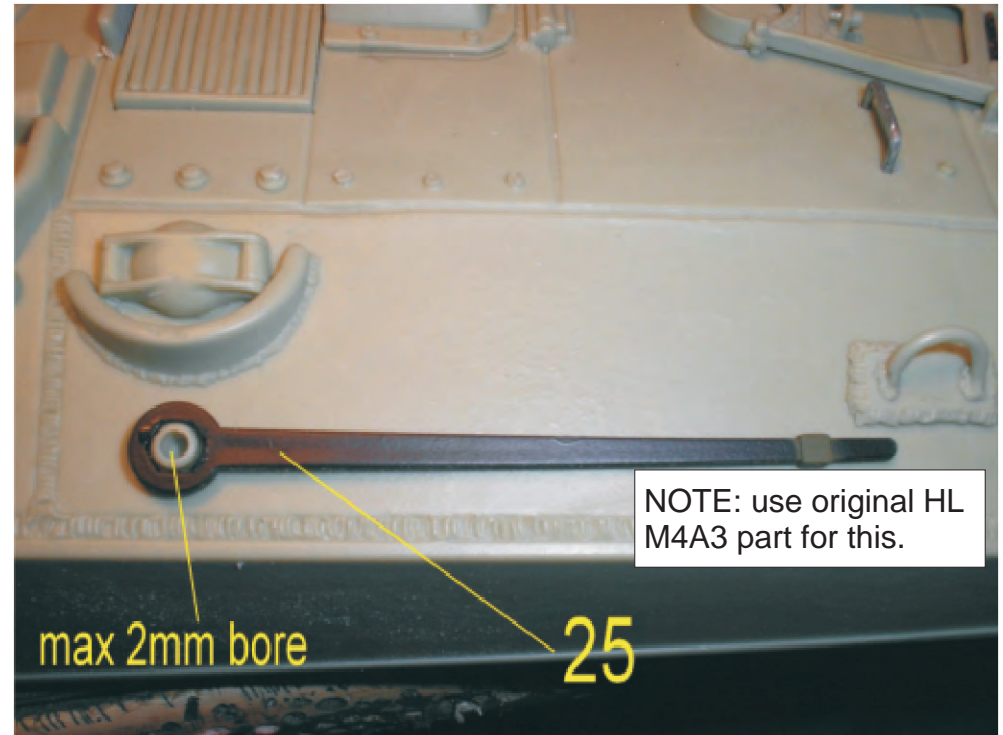
23.
Install lift ring on right as shown.



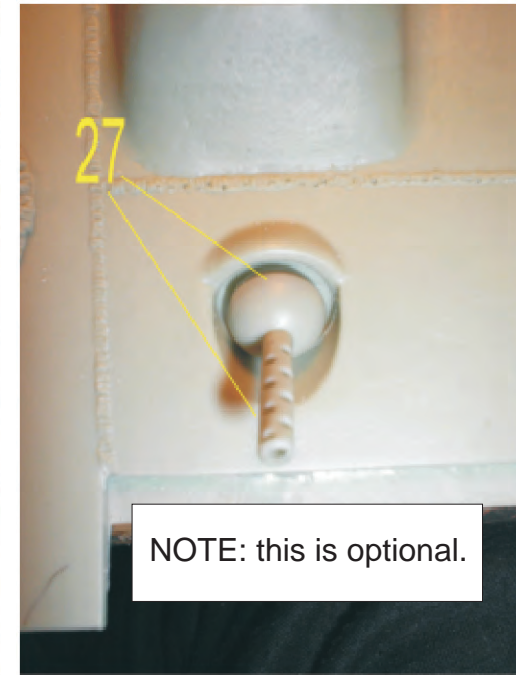
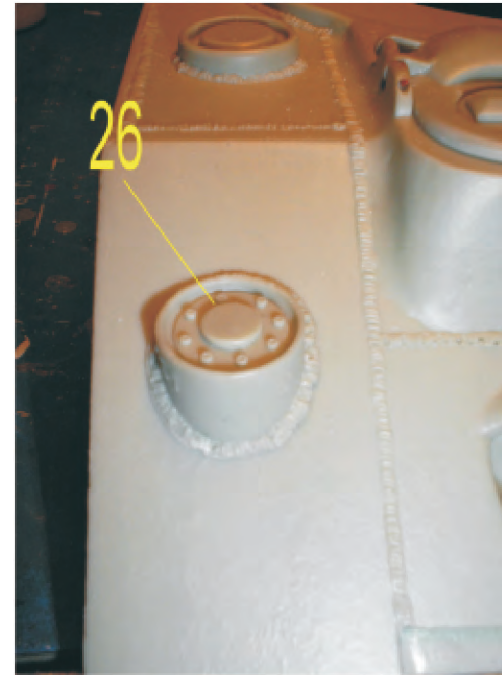
24.
Install lift ring on left as shown.



25.
Test fit ratchet on upper hull mounting point.
NOTE: You will be using the original HL part for this. Once the test fit is done bore out the inside of the mounting point with 2mm drill bit.

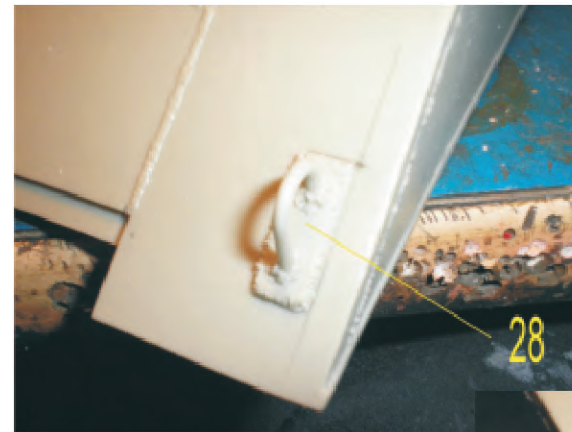


26.
Mount Antenna housing as shown

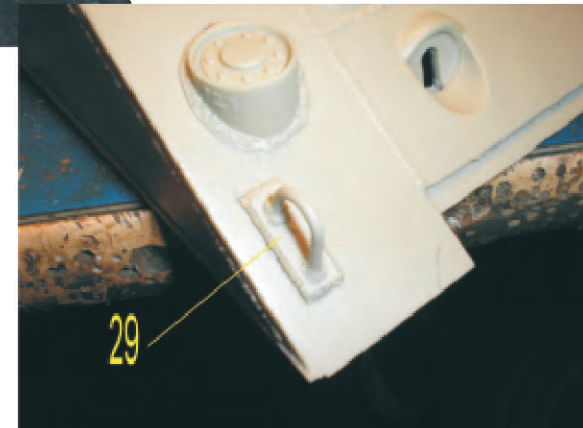


27.
You have the option of mounting the hull .30 CAL MG if you are choosing a model that did not have the applique armour applied.

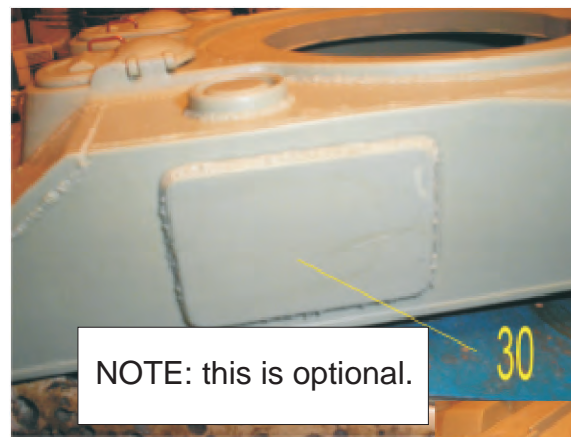
28.
Install right front lifting ring as shown.



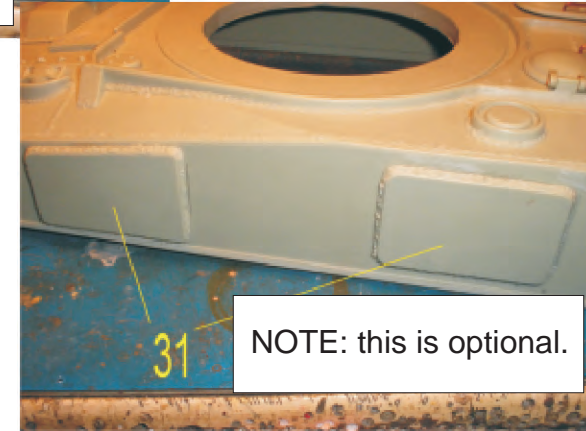
29.
Install left front lifting ring as shown.



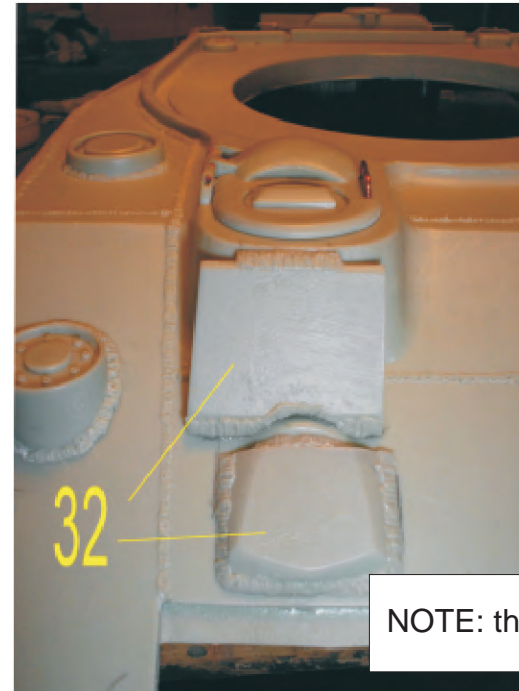
30.
Applique armour optional as shown on right front side hull as shown



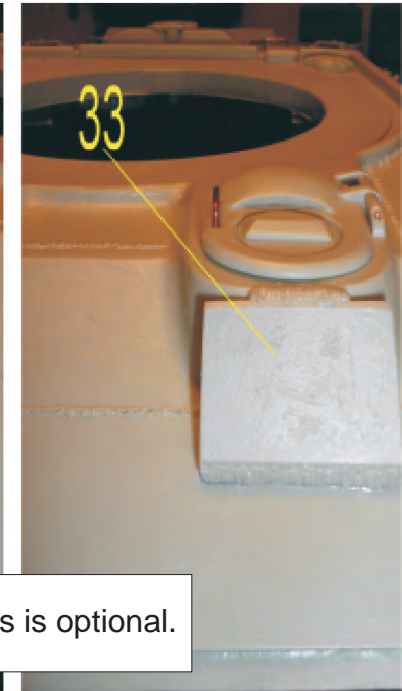
31.
Applique armour optional as shown on left front side hull as shown



32.
Applique armour optional as shown on left small hatch and over the hull MG port as shown



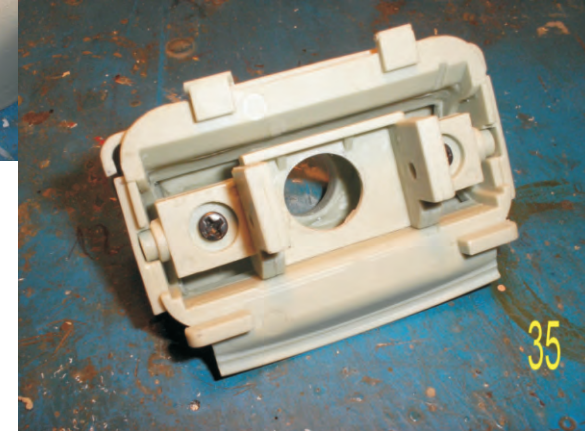
29.
Applique armour optional as shown on right small hatch as shown



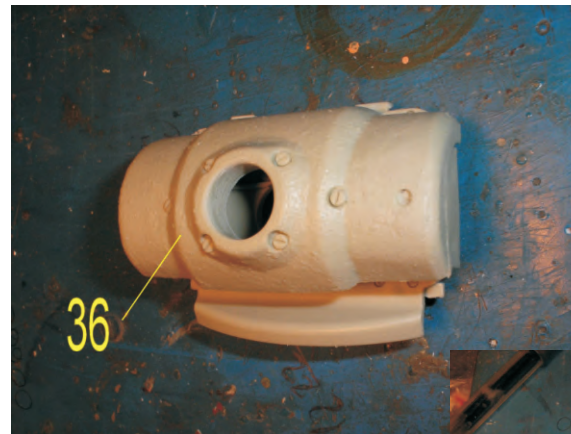
34.
Clean and prep turret



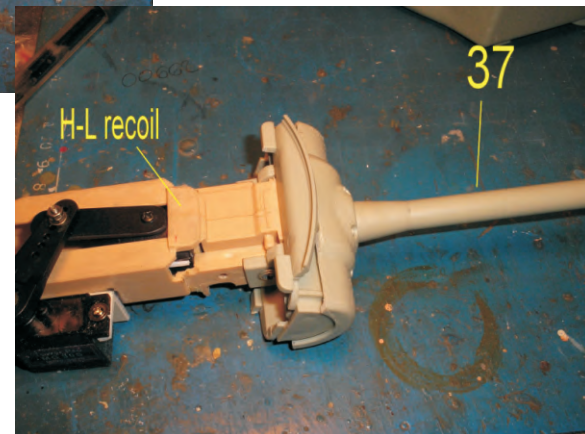
35.
This picture shows the gun mantle set up



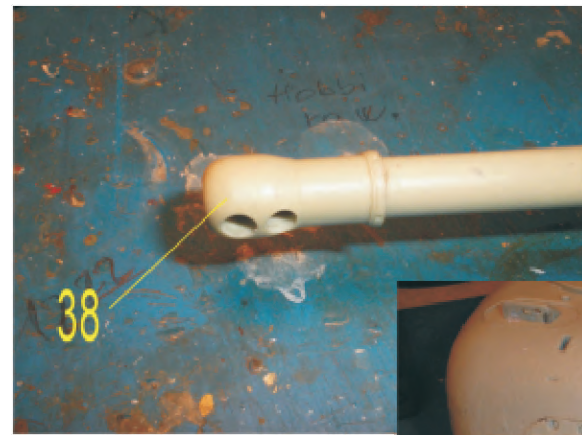
36.
Make sure the barrel opening is smooth and fits properly with barrel installed



37.
This picture shows the HL recoil set up with a servo recoil but still utilizing the original HL recoil housing



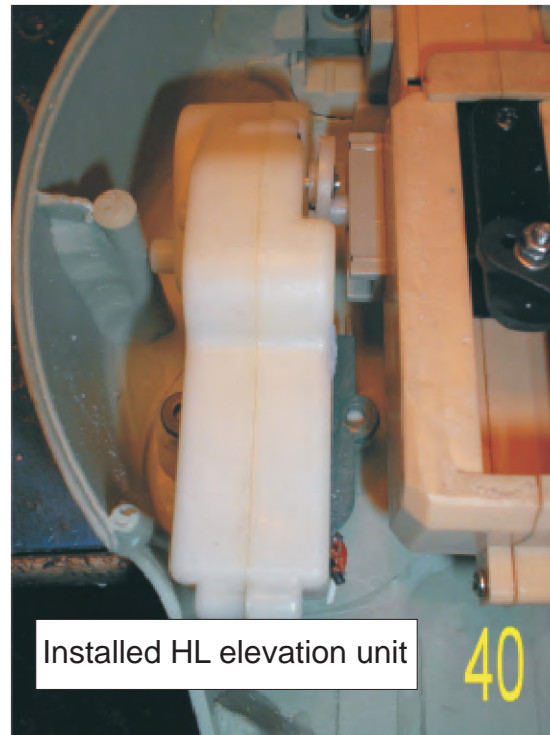
38.
CAREFULLY drill out the Firefly muzzle brake and attach with CA glue on the end of the barrel.



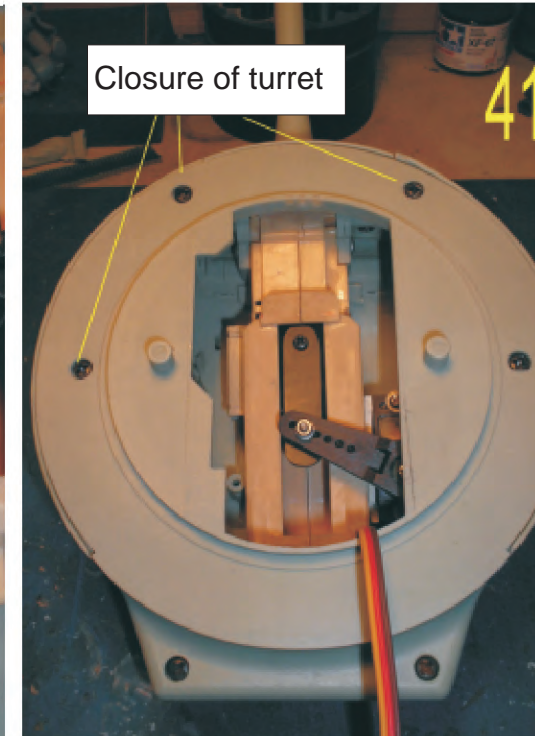
39.
This picture shows placement of the mantle complete



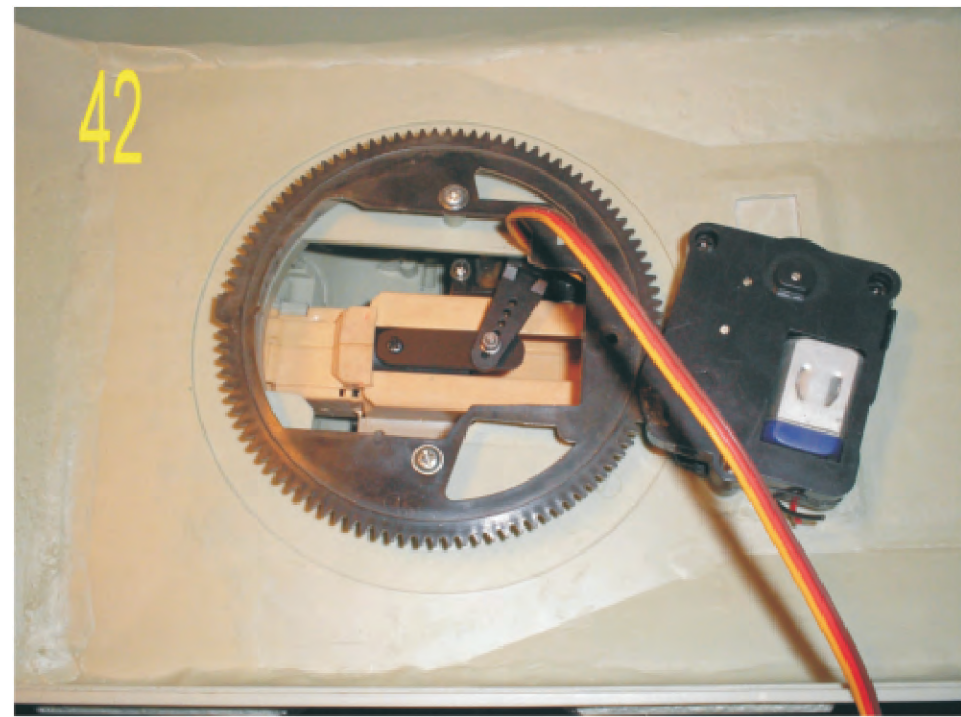
40.
This picture shows the original HL elevation unit installed using the original hardware as well.



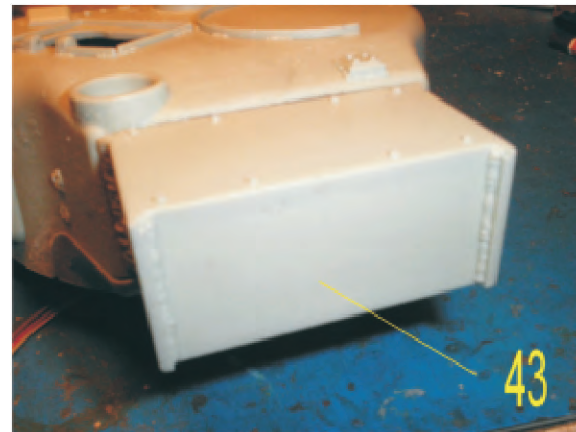
41.
Final closure of the turret using original HL hardware screws.
NOTE: pre-drill smaller than the screw guide holes before attempting to screw in the bottom plate. At the same time do the same for the turret rotation gear mounting posts.



42.
Mount the turret rotation gear as shown



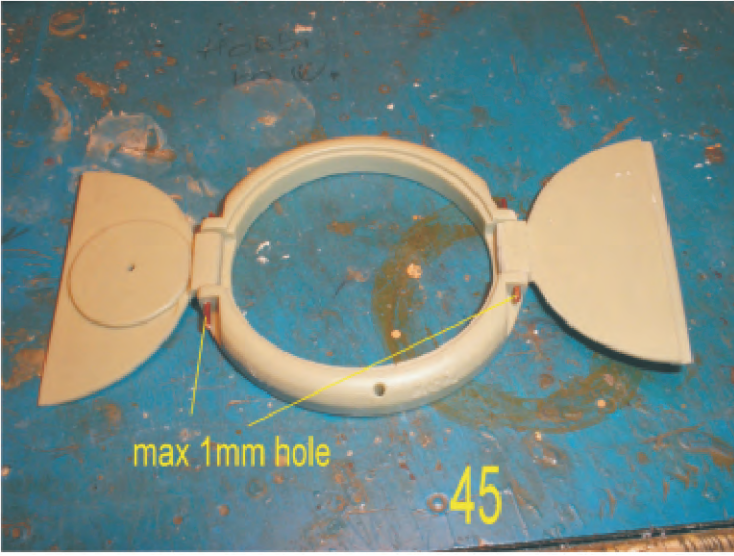
43.
Install Firefly radio box as shown. Note: there were quite a few variations on this Firefly add on. For example the “blanket” box is easily added on to this extension.



44.
CAREFULLY trim away excess resin from the turret main hatch doors and bore out mounting points on hatch ring and on the doors with 1mm drill and use 1mm copper wire for hinge as shown.



45.
CAREFULLY test functionality of the hatch doors.



46.
Install Commanders periscope



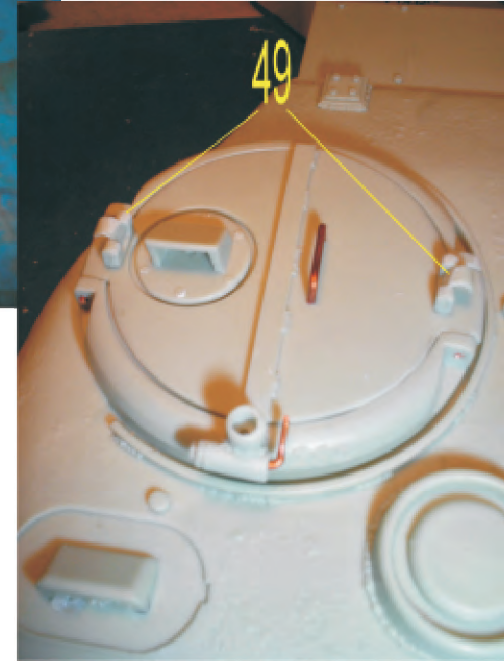
47.
Install Commanders .50 CAL mounting post. Add 1mm copper wire or paperclip lock handle as shown.



48.
Install 1mm copper wire or paperclip handle as shown.



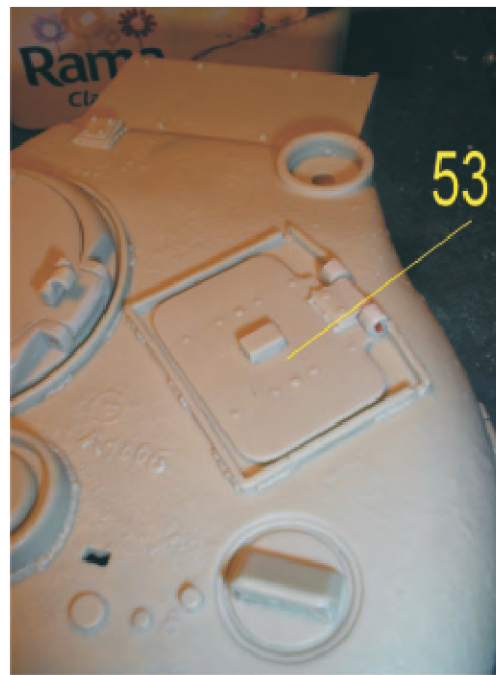
49.
Install hatch door stops as shown.



50 - 51 - 52.
Install lift rings as shown



53.
CAREFULLY trim away excess resin from the loaders hatch door and bore out mounting points on upper hull and on the hatch door with 1mm drill and use 1mm copper wire or paperclip for hinge.



54.
CAREFULLY test functionality of the hatch.



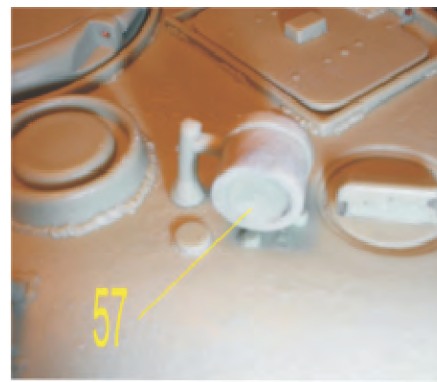
55.
Install open sight guide and other dofliggy



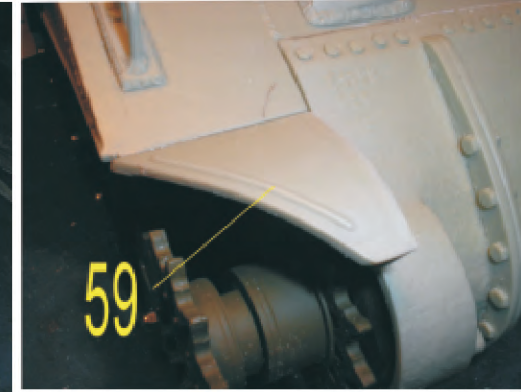
56.
Install coaxial .30 CAL MG



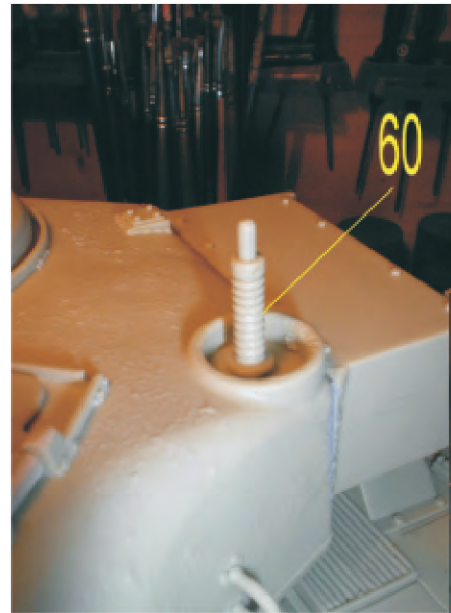
57.
CAREFULLY trim away excess resin from the loaders hatch door and bore out mounting points on upper hull and on the hatch door with 1mm drill and use 1mm copper wire or paperclip for hinge.



58-59.
Install front fenders



60.
Install antenna mount



61.
Applique armour optional as shown on right front side hull as shown



NOTE: this is optional.

FINISHED VERSION

