General Instructions

The concept behind a Field of Armor model kit is one in which you bend metal at pre-cut areas to form the various parts of a vehicle or tank.

When these parts are bent into place tabs and corresponding holes will line up allowing pop rivets or screws to be inserted to hold the assembly together.

All metal parts will follow this basic method of bending and fastening in order to take the metal parts from a 2D state into a 3D part

- 1. Check that you have received all parts for your new 1/6 scale model of the Jagdpanther Late. Go to Field of Armor's website at "www.fieldofarmortanks.com" for a complete list of all parts.
- 2. Wipe down all metal parts with a laquer thinner or acetone solution—Make sure when doing so that there are open flames or embers that may cause a fire while doing this.
- 3. At certain stages of assembly you may want to pre-paint some areas so that you don't have to dis-assemble parts of your work later. For example all the running gear pieces, the Chassis side wall they install against and the well under the fenders. **NOTE:** DO NOT paint any surface that you will be gluing something to.
- 4. Effort should be taken not to lose any of the perforated metal pieces that remain in the flat metal structures (please note that some of these pieces may have come loose during shipping) as some are used as actual parts such as hatches and doors and some are to remain in place.
- 5. Any additional parts and materials over and above those listed in the parts section of these Instructions and that may be obvious in the instruction photographs are the responsibility of the purchaser.
- 6. Should you receive a chassis that has come apart during shipping or comes apart from bending and re-bending (the seams are designed to be bent several times before coming apart but always bend the along the seams slowly as to not over heat the stitching) do not be too concerned as it can be easily repaired by using some scape 20 gauge metal cut into strips approximately ½ " x 2" 2½" long. Bend the strip to 90 degrees or to suit the angle being repaired and drill 1/8" holes to accept Pop Rivets. Place the angle over the area to be repaired spaced at 4" 6" intervals and drill matching holes in the metal pieces being repaired. Secure with Pop Rivets. See Figures 6a, 6b and 6c below.







Figure 6a Figure 6b Figure 6c

#### General Instructions

- 7. Fill any holes and gaps with Bondo. Remove excess Bondo from surfaces using an exacto knife blade or something similar once it has set up but not hardened completely. When the Bondo has hardened sand smooth with a fine grit sandpaper.
- 8. It is recommended that the modeler use Super-glue when gluing Resin or Plastic Parts to other Resin or Plastic parts. When gluing Resin or Plastic Parts to Metal make sure that the Metal is free of grease and/or oil and glue using Epoxy.
- 9. Some Resin parts when they come out of the molds tend "naturally" to take on a slight curve should you encounter any such parts in your kit this can be eliminated by applying moderate heat and adjusting the part to its proper configuration.
- 10. For handles (not provided) to Engine Access Doors, Commander's Hatch (Cupola), Combat Compartment Access Doors and top of Superstructure Access Hatches it is suggested the modeler drill holes in the metal (in the approximate location shown in the photographs) to accept a bent 1/16th inch copper wire and secure in place with Epoxy (See Figure A).



Figure A

11. Using a piece of scrape metal it is advisable to create a stop for the Engine Access Doors, Combat Compartment Access Doors and top of Superstructure Access Hatches and the Brake Access Covers by Pop Riveting it to the underside of the opening and protruding into the opening (see Figure B). On larger doors (i.e. Engine Cover Deck Doors) or those that don's seat properly you may want to create a stop on the rwo sides of the opening as well.



Figure B

- 12. Some parts will require sanding before application.
- 13. Sand the metal surface area to which a part is to be applied and also when securing metal to metal. This will ensure a more secure bond.
- 14. All references to left and right assumes you are sitting in the tank facing forward.

Bag 1 Contents (26 Parts - 46 Pieces)





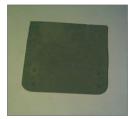
(1) Commander's Periscope Housing BRA004-401R



(1) Commander's Periscope Housing Ring BRA004-402R



(1) Commander's Periscope Housing Hatch Cover BRA004-403R



(1) Rear Hatch BRA004-404R



(1) Rear Hatch Hinge Plate BRA004-405R



(2) Rear Hatch Hinge Plate Pin BRA004-406R



(2) 1/4" x 1" Wood Dowel Rear Hatch Hinge Plate Extension Pin BRA004-407R



(1) Ventilator BRA004-408R



(1) Ventilator Top BRA004-409R



(1) Vent Hole Cover BRA004-410R



(1) Small Rear Hatch BRA004-411R



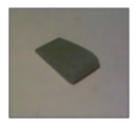
(1) Small Rear Hatch Hinge Piece A BRA004-412R



(1) Small Rear Hatch Hinge Piece A BRA004-413R



(4) Commander's/ Loader's Hatch BRA004-414R



(4) Commander's/ Loader's Hatch Hinge Piece A BRA004-415R



(4) Commander's/ Loader's Hatch Hinge Piece B BRA004-416R



(1) Rotating Periscope BRA004-417R

## Bag 1 Contents (25 Parts - 46 Pieces) (Continued)

Note: Quantity of part indicated in ( )



(1) Rotating Periscope Bolt Detail BRA004-418R



(1) Close In Defense Port BRA004-419R



(1) Antennae Base BRA004-420R



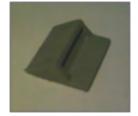
(1) Antennae Mount BRA004-421R



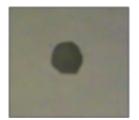
(2) Sliding Periscope Blocks BRA004-422R



(2) Barrel Step Down Ring BRA004-423R



(1) Driver's Visor BRA004-424R



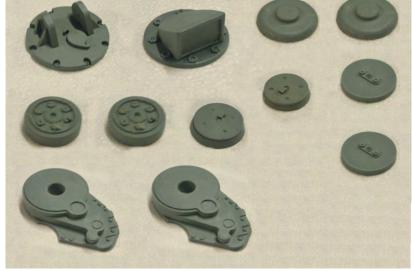
(8) Mantlet Bolt BRA004-425R



(1) Periscope Slide Guide BRA004-426R

## Bag 2 Contents (9 Parts - 12 Pieces)







(2) Track Alignment Wheel BRA003-417R



(1) Engine Deck BRA003-420R



(1) Engine Deck BRA003-421R



(2) Drive Gear Hub BRA003-406R



(1) Final Drive Cover - Left BRA003-415R



(1) Engine Deck Round Cover - Large Round Cover - Small BRA003-422R



(1) Back Tow Plate BRA003-414R

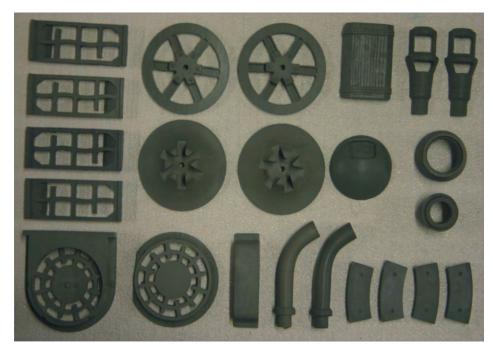


(1) Final Drive Cover - Right BRA003-416R



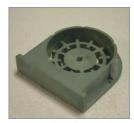
(2) Engine Deck Round Cover -Flat BRA003-423R

Bag 3 Contents (10 Parts - 17 pieces)





(4) Engine Intake Grill BRA003-430R



(1) Raised Engine Grill BRA003-431R



(1) Raised Engine (1) Engine Vent Vent Side Block BRA003-432R



BRA003-433R



(2) Idler Wheel Inner BRA003-434R



(2) Idler Wheel Outer BRA003-435R



(1) Hull Machine Gun Mount BRA003-444R



(1) Jack Block BRA003-445R



(2) Muffler Pipe BRA003-446R



(2) Muzzle Break BRA003-448R

## Bag 4 Contents (23 Parts - 47 pieces)

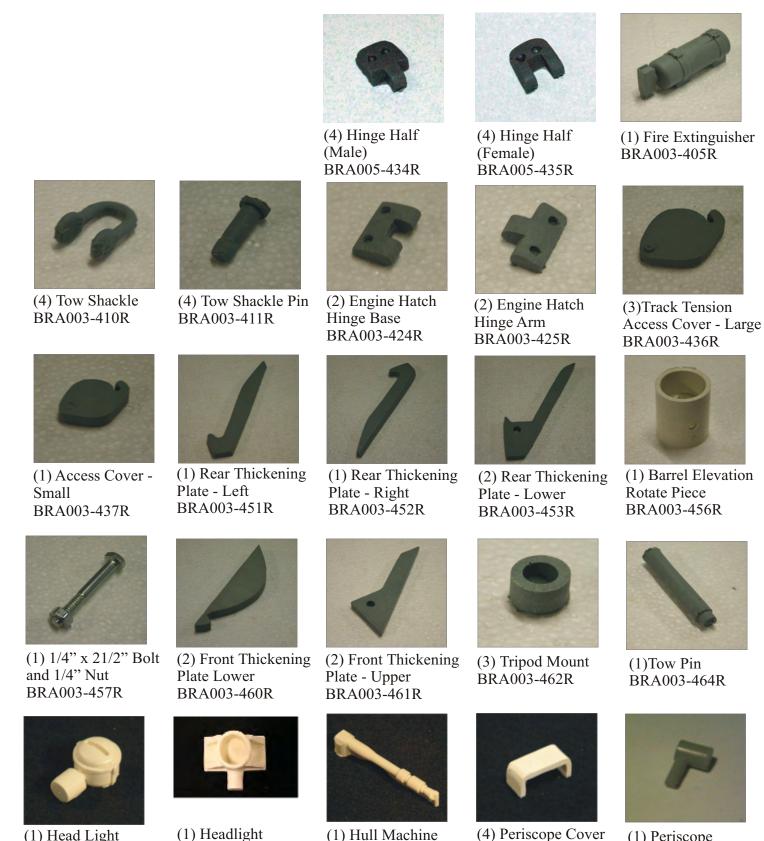
Note: Quantity of part indicated in ( )

(1) Head Light

BRA001-636R

Bracket

BRA001-637R



(1) Hull Machine

BRA001-439R

Gun

(1) Periscope BRA002-405R

BRA002-408R

## Bag 5 Contents (1 Part - 16 Pieces)

Note: Quantity of part indicated in ( )



(16) Road Wheel BRA003-601IP

#### Bag 6 Contents (1 Part - 16 Pieces)

Note: Quantity of part indicated in ( )



(16) Road Wheel BRA003-601OP

#### Bag 7 Contents (1 Part - 156 Pieces)

Note: Quantity of part indicated in ( )



(156) Tack Pin BRA003-901P

#### Bag 8 Contents (1 Part - 168 Pieces)

Note: Quantity of part indicated in ( )



(168) Track Link BRA003-902P

#### Bag 9 Contents (3 Parts - 4 Pieces)

## Bag 9 Contents (3 Parts - 4 Pieces)



(1) Collar BRA004-501P



(1) Collar Insert BRA004-502P



(1) Mantlet BRA004-503P

Bag 10 Contents (1 Part - 1Piece)

Note: Quantity of part indicated in ( )



(1) Barrel BRA004-501T

Bag 11 Contents (1 Part - 1Piece)

Note: Quantity of part indicated in ( )



(1) Storage Tube BRA003-502T

Bag 12 Contents (2 Parts - 4 Pieces)

Note: Quantity of part indicated in ( )



(2) Drive Sprocket -Inner BRA003-730M



(2) Drive Sprocket -Outer BRA003-731M

Bag 13 Contents (1 Part - 1 Piece)

Note: Quantity of part indicated in ( )



(1) Instruction CD BRA004-ICD

## Bag14 Contents (12 Parts - 13 Pieces)

Note: Quantity of part indicated in ( )

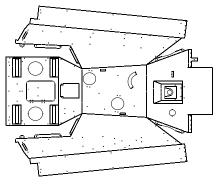




(1) Hull BRA004-701M



(1)Hull Back Plate BRA004-702M



(1) Superstructure BRA004-703M



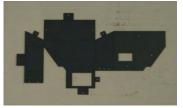
(1) Lower Rotate Guide Support BRA004-711M



(1)Side Shield Rail - Left BRA004-712M



(1) Side Shield Rail - Right BRA004-713M



(2) Storage Bin BRA003-718M



(1) Barrel Rotation Assembly Brace BRA004-719M



(1) Barrel Rotation

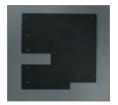
BRA004-714M

Bracket

(1) Rear Deck Brace BRA003-723M

## Bag 15 Contents 23 Parts - 38 Pieces)

Note: Quantity of part indicated in ( )



(1) Fender -Left BRA003-706M



(1) Fender -Right BRA003-707M



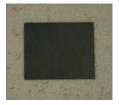
(2) Muffler Cover BRA003-715M



(2) Muffler Bracket BRA003-746M



(1) Fender Sides -Two (2) Pieces BRA003-717M



(2) Storage Bin Lid BRA003-720M



(8) Drive Sprocket Spacer BRA003-732M



(1) Jack Block Bracket BRA003-735M



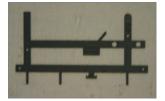
(1) Track Cable Bracket BRA003-736M



(1) Left Pry Bar Bracket BRA003-737M



(1)Right Pry Bar Bracket BRA003-738M



(1) Axe Bracket BRA003-739M



(1) Shovel Bracket (2) Extra Track BRA003-740M



Bracket BRA003-741M



(1) Upper Periscope Track BRA004-760M



(2)Storage Tube **Bracket** BRA003-742M



(2) Rear Tow Cable Bracket - Two (2) **Pieces** BRA003-743M



(2) Turret Loader's Hatch Bracket BRA003-744M



(1) Fender and Storage Bin Ribs - One (1) set BRA003-745M



(1) Fender & Storage Bins Ribs BRA004-761M

## Bag 16 Contents (4 Parts - 4 Pieces)



(2) Side Shield Type A BRA003-708M



(2) Side Shield Type B BRA003-709M



(6) Side Shield Type C BRA003-710M

## Bag17 Contents (4 Parts - 10 Pieces)

Note: Quantity of part indicated in ( )



19 11/16" Main Axle #1 - 4 Pieces - BRA003-801M

19 7/16" Main Axle #2 - 4 Pieces - BRA003-802M

19 3/16" Drive Axle - 1 Piece - BRA003-803M 19 5/16" Idler Wheel Axle - 1 Piece - BRA003-804M

Bag 18 Contents (1 Part - 1 Piece)

Note: Quantity of part indicated in ( )



(1) Spacer Material - 40" Length BRA003-806T

### Bag 19 Contents (1 Part - 22 Pieces)

Note: Quantity of part indicated in ( )



(22) 1/4" Push Nut BRA001-807M

# Bag 20 Contents (1 Part - 240 Pieces) Note: Quantity of part indicated in ( )



(240) 1/8" x 5/16" Aluminum Pop Rivets BRA001-809M

## Bag 21 Contents (1 Part - 20 Pieces)

Note: Quantity of part indicated in ( )



(20) #6 ½" (Sheet Metal) BRA001-810M

## Bag 22 Contents (1 Part - 4 Pieces)

Note: Quantity of part indicated in ( )



(4) 1/4" x ½" long Wooden Dowel BRA003-805W

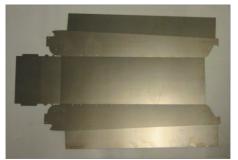
## Bag 23 Contents (1 Part - 1 Piece)



1 3/4" x 3 3/4" x 1/16" Styrene BRA003-811P

### Hull and Storage Bins

Step 1. Locate metal Hull and the metal Hull Back Plate. See Figure 1a and 1b.



(1) Hull BRA003-701M



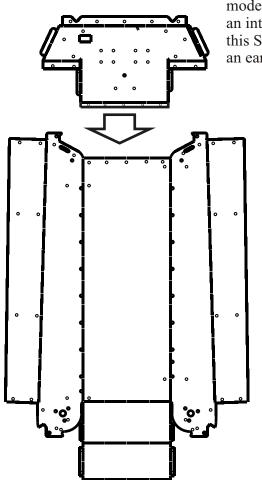
(1)Hull Back Plate BRA003-702M

Figure 1b

**NOTE:** In the earlier production models the Hull Back Plate was an integral part of the Hull.

Figure 1a

**Step 2.** Making sure the square hole in the Hull Back Plate is to the left side of the tank, slide the bottom flange under the Hull and align the five (5) holes (see Figure 2a). Secure it in place using Pop Rivets (see Figure 2b).



**NOTE:** In the earlier production models the Hull Back Plate was an integral part of the Hull and so this Step can be ignored if you have an early production model.

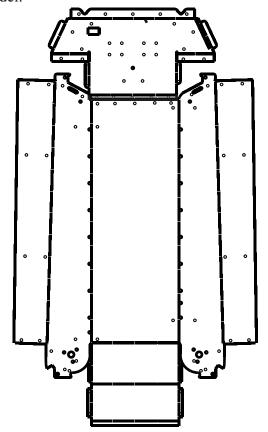


Figure 2a Figure 2b

#### Hull and Storage Bins

**Step 3.** Bend all the Tabs indicated in Figure 3a below in accordance with the Note 1. Bend the Rear Plate and the Front Hull Plate up at the bend lines and secure with Pop Rivets in accordance with Note 2. Locate the outer Panels and bend them back 90 degrees toward the inside of the Hull in accordance with Note 3. It is important that the tabs at the low part of the Rear Hull Panel lap over on top of the Outer Panels (see Figure 4a).

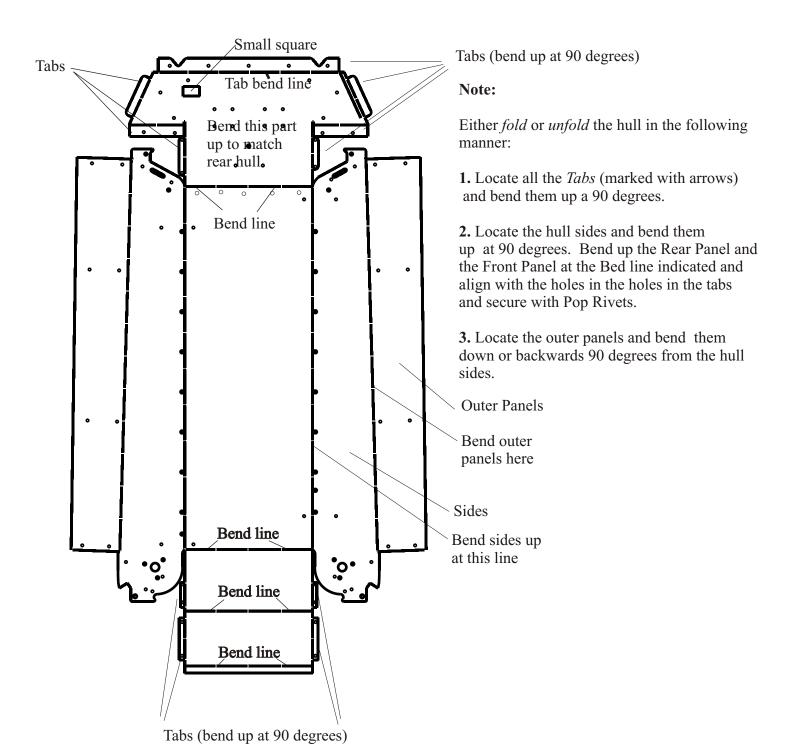
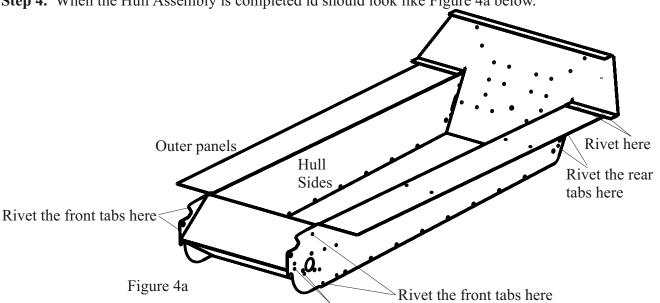


Figure 3a

Hull and Storage Bins

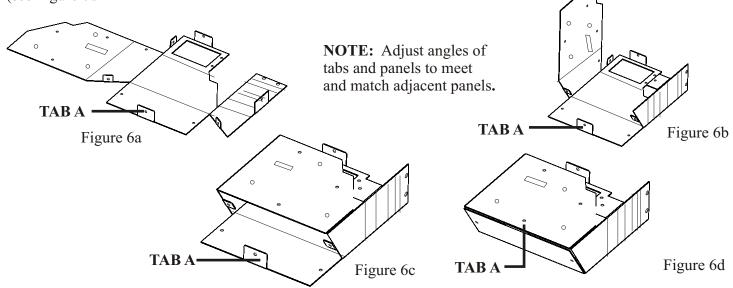
**Step 4.** When the Hull Assembly is completed id should look like Figure 4a below.



**Step 5.** Locate the two (2) Storage Bins and the two (2) Storage Bin Covers and note the identification of surfaces in Figure 5a. NOTE: STEPS 5 THROUGH 7 ARE FOR THE RIGHT SIDE STORAGE BIN - FOR THE LEFT SIDE STORAGE BIN SEE STEP 8.



**Step 6.** On one Storage Bin, with the exception of TAB A bend the Tabs up to 90 degrees (see Figure 6a). Bend TAB A approximately 110 degrees. Bend the Sides up to 90 degrees (see Figure 6b). Bend the back over to 90 degrees and align the holes with the tab on the other side (see Figure 6c) and secure with Pop Rivets, Bend the Bottom up so that TAB A slides under the Back (see Figure 6c). Align the three holes and secure with Pop Rivets (see Figure 6d

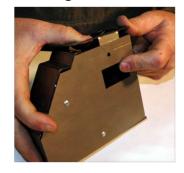


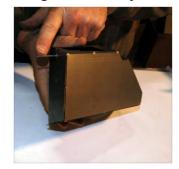
## Hull and Storage Bins

**Step 7.** Fold the Sloped Side to match the profile of the front and back (see Figure 7a). Fold the Top over 90 degrees so the Tab slips under the Back (see Figure 7b) and the end of the top with the holes in it is over the top of the Sloped Side. Align the holes and secure with Pop Rivets (see Figure 7c. When completed the Storage Bin should look like the one in Figure 7d.

**NOTE:** Some models come with only one Storage Bin having the Square Hole in the Back. In this instance this Storage Bin is to be installed on the Right Side of the tank to align with the Square Hole in the Rear Panel.







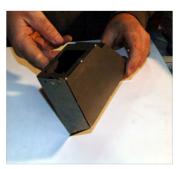


Figure 7a

Figure 7b

Figure 7c

Figure 7d

**Step 8.** You have now created the Storage Bin for the Right side of the tank. You must now create the storage Bin for the Left side and you do that creating the mirror image of the Right Storage Bin which means bending the second storage Bin piece in the opposite directions to the one you have just completed and following Steps 5 through 7.

**Step 9.** Locate the four (4) Hinge Halves (Male) and Hinge Halves (Female) and create four (4) Hinge Assemblies (see Figure 8a).







(4) Hinge Half (Female) BRA005-435R



Hinge Assembly Figure 9a

Step 9. Attach the Bin Lid to the Storage Bin using two (2) Hinge Assemblies





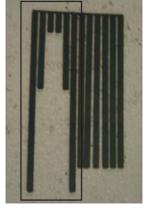
Figure 9b

**NOTE:** On the earlier iterations of the Panther Ausf G the hinge configuration for the installation of the of Storage Bin Lid will be as shown in Figure 9b

Figure 9a

#### Hull and Storage Bins

**Step 10.** Locate the Fender and Storage Bin Ribs Piece. Break off the six (6) pieces that are the ribs for the Storage Bins (see NOTE below). Secure the Ribs to the Storage Bins in the configuration shown in Figure 10a using Epoxy



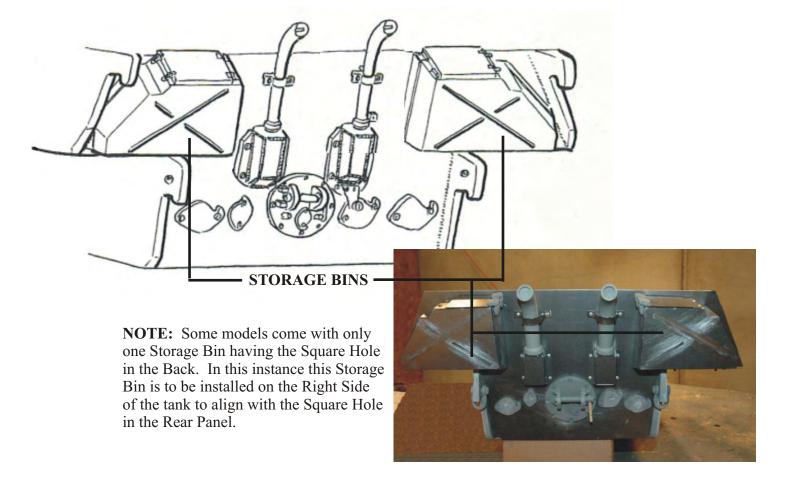
(1) Fender and Storage Bin Ribs - One (1) set BRA003-745M

NOTE: Install the six detail strips (ribs) contained within the box o the Left to the Storage Bins as shown in Figure 10a to the Right.



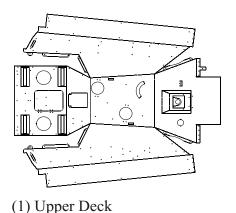
Figure 10a

**Step 10.** Install the Storage Bins to either side of the Rear Panel. Align the holes in the Rear Panel with those in the Storage Bin and secure with Pop Rivets. You will note the oversized holes in the Rear Panel. They are there to accommodate the Rivets that have been installed to secure the Storage Bin together in Step 7.



#### Superstructure

**Step 1.** Locate the Upper Deck Piece (see Figure 1a). This piece will come folded in the kit and when opened and laying flat it would look like the figure below.



**NOTE:** view is of the top of the Upper Deck laying flat. The Upper Deck that comes to you in the kit is with the top side facing down and the sides folded in (see Figure 1a). You do NOT need to open the Superstructure and fold it

down flat to begin assembly. Some of the photographs in this sequence however may show the starting from the flat position.



Figure 1a

BRA004-703M

Figure 1a

**Step 2.** You will not that one side we will call that Side A is folded over and the other side, Side B, has only a side panel folded over (see Figure 2a). Before unfolding this piece bend the Tabs on the Front Panel to approximately 45 degrees (see Figure 2b) as well as the tabs on the rear of the Side Panels (see Figure 2c). You may have to fold Side A up to be able to accomplish the folding of the rear tabs on that Side Panel. Fold Side A up and outward to approximately 120 degrees. If you are working alone you will need to support the side temporarily.

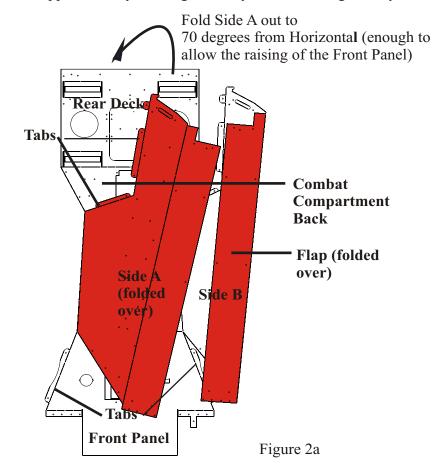




Figure 2b



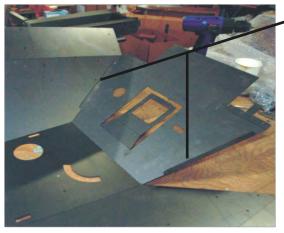
Figure 2c

## Jagdpanther - Late

# **Assembly Instructions**

#### Superstructure

**Step 3.** Raise up the front panel and align the holes in the tabs with the hole in Side Panel A (see Figure 3a). Secure the Front Panel and Side Panel A with Pop Rivets. Raise the flap on Side B enough to allow you to fold Side B upward until the holes in the Tabs on Side Panel B align with the holes in in the Front Panel and secure in place with Pop Rivets.).



Fold the front panel and the side panels together and secure with Pop Rivets

Figure 3a

**Step 4.** Raise the Rear Deck up and bend it inward along the seam between the Rear Deck and the combat compartment back (see Figure 3a). Shift the panel into position and align the holes in the Rear deck with the holes in the Side Panels and secure with Pop Rivets (see Figures 4a and 4b).







Figure 4b

Figure 4c

Figure 4a

**Step 5.** Fold the Flaps on both sides into the position shown in Figures 5a and 5b.





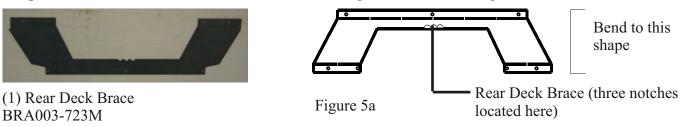
Figure 5a Figure 5b

# Jagdpanther - Late

## **Assembly Instructions**

#### Superstructure

Step 5. Locate the Rear Brace and bend it to the configuration shown in Figure 5a..



**Step 6.** Slide the Rear Deck Brace under the Side flaps at the rear of the Superstructure and position the brace so the holes in the Rear Deck and Side Panel Flaps align with the those in the Rear Deck Brace. Secure with Pop Rivets (see Figures 6a and 6b).

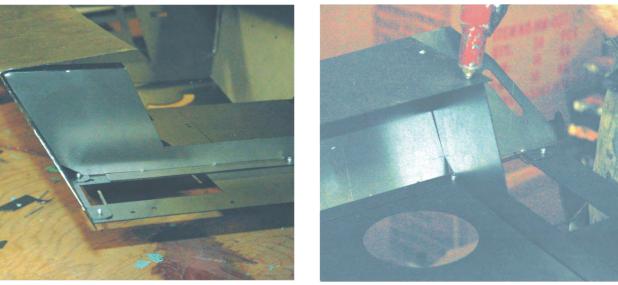


Figure 6a Figure 6b

**Step 7.** The barrel support and elevation rotate guide and bracket are partly integral to the Superstructure and additional parts that have to be installed. While the Superstructure is still upside down bend the integral portion of the barrel elevation Rotate Guide Support into the configuration shown in Figures 7a and 7b.



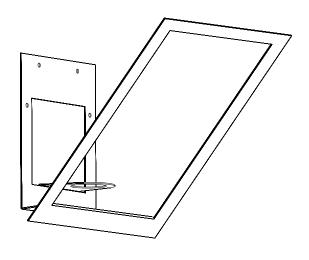


Figure 7a Figure 7b

Superstructure

Step 8. Locate the Lower Rotate Guide Support.



(1) Lower Rotate Guide Support BRA004-711M

Figure 10a

Step 9. Bend the Lower Rotate Guide Support to 90 degrees along the seam (see Figure 9a). Align the holes in the Support with those in the configured portion and secure with Pop Rivets (see Figures 9b).







Figure 9b



(1) Barrel Rotation Bracket BRA004-714M



Rotate Piece BRA003-456R

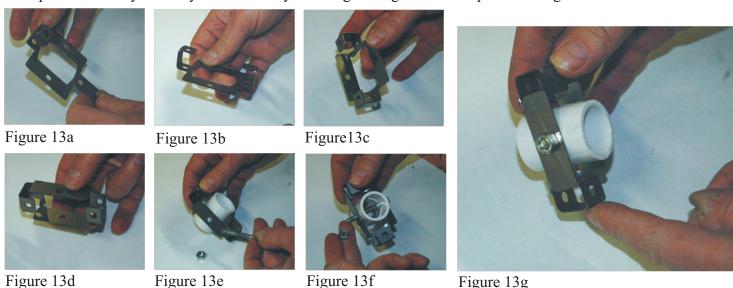


(1) Barrel Elevation (1) 1/4" x 21/2" Bolt and 1/4" Nut BRA003-457R

NOTE: Please read Step 11 and 12 before completing Step 13.

#### Superstructure

**Step 10.** Bend the End tabs of the Barrel Rotation Bracket up 90 degrees then bend the tips of the End tabs over and inward to 90 degrees (See Figure 10b and 10c). Bend the Side tabs up (See Figure 10d). Insert the Barrel Elevation Piece (see Figure 10e). Align the holes in the Barrel Elevation Rotate Piece and the Barrel Elevation Piece and insert the 1/4" x 2 ½" Bolt (see Figure 10e and Figure 10f). Twist on the 1/4" Nut and tight it down so that when the Barrel and Mantlet Assembly is installed that it moved up and down and remains in the position you have placed it after you take your hand away. See Figure 10g for the completed configuration.



**Step 11.** It is now time to install the Barrel Rotation Bracket Assembly into the Barrel Rotation Bracket Support (see Figure 11a). Slide the Barrel Rotation Bracket Assembly (there is no top or bottom) into top and bottom arms (with the holes in them) of the Barrel Bracket Support (see figure 11b). Using the Wooden Dowel Keepers, secure the Barrel Rotation bracket Assembly in place by sliding them horizontally through the holes, one above the top support arm (see Figure 11c) and one below the bottom support arm (see Figure 11d).









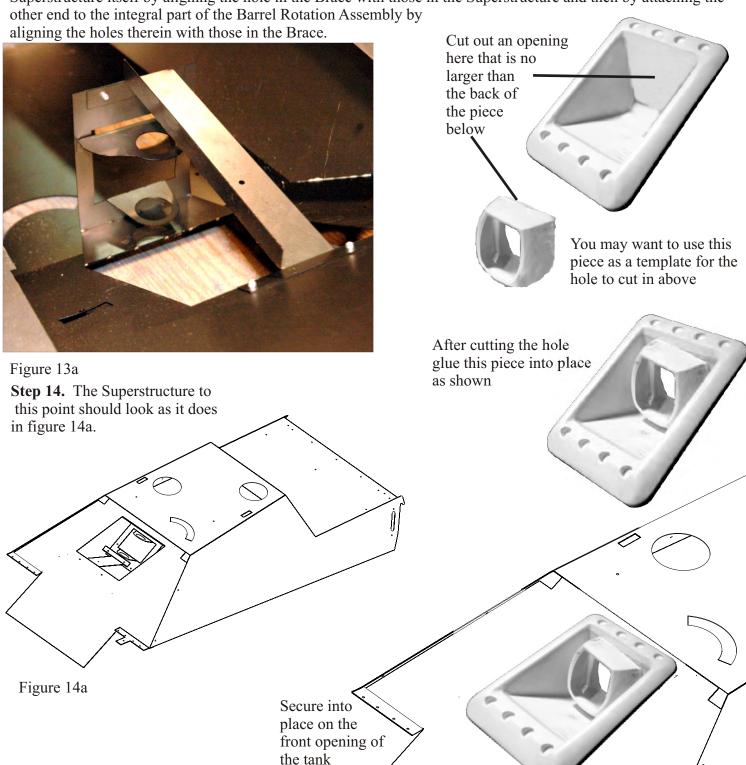
Note: The photographs in Figures 11a, 11b, 11c and 11d are of the Stug IV but the assembly principle is the same.

Figure 11a Figure 11b

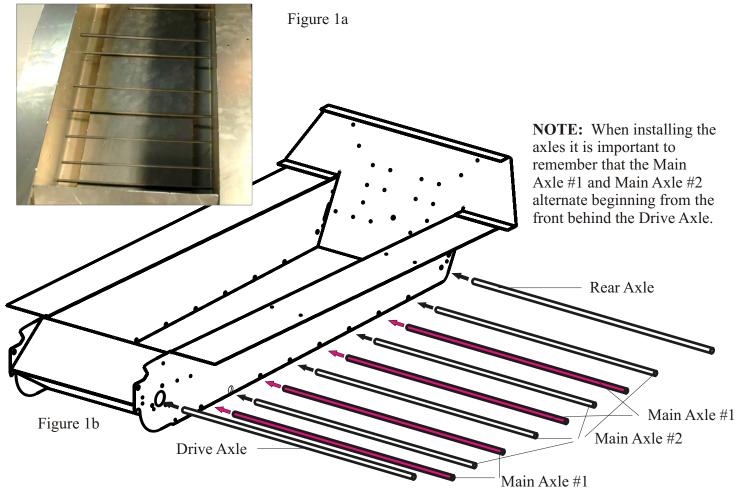
**Step 12.** Locate the Barrel Rotation Assembly Brace.

#### Superstructure

**Step 13.** Still with the Superstructure turned upside down install the Barrel Rotation Assembly Brace by first bending it into the configuration as shown in Figure 13a and then attaching one end of the brace to the Superstructure itself by aligning the hole in the Brace with those in the Superstructure and then by attaching the



Axles, Final Drive Cover, Track Alignment Wheel and Spacers **Step 1.** Slide axles through the holes in the lower body (see Figure 1a and 1b).



**Step 2.** Locate the Final Drive Covers and install one on either side of the Hull. Hold the Final Drive Cover in place so that the Drive Axle hole is in the center of the hole in the Final Drive Cover (see Figure 2a) and mark the screw holes on the back. Pre-drill the Final Drive Cover for the screw and then secure in place with Epoxy and screws. Locate the Track Alignment Wheels (see Figure 2b) and secure it to the Final Drive Cover in the location shown in Figure 2a.

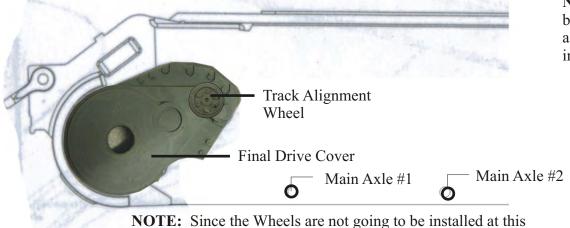


Figure 2a

**NOTE:** Since the Wheels are not going to be installed at this time the axles need to be held in place manually. They can be held in place with spacer material (see Step 3) or any other means you might devise

**NOTE:** This step can be done before or after the Drive Axle is installed.

Figure 2b



(2) Track Alignment Wheel BRA003-417R

Axles, Final Drive Cover, Track Alignment Wheel and Spacers

Step 3. Locate the Spacer Material.



(1) Spacer Material - 40" Length BRA003-806T

**Step 4.** Cut Spacer A to go over the Main Axles, both #1 and #2. They go between the Metal Chassis and the Inner Wheels for both Axles. Cut Spacer B to go between over Main Axle #2 between the Inside Wheel and the Outside Wheel. Cut spacer C to go over the Rear Axle between the Metal Chassis and Idler Wheel Assembly,

**NOTE:** There is no Spacer for the Front Axle, the Drive Sprockets go up against the Final Drive Cover. Also there no spacer between the Inside Wheel and the Outside Wheel that fit on all Main Axles #1 - the two Wheels fit up against one another.



1.125" or 1 1/8"

#### Spacer A

Main Axle #1 between the Metal Chassis and the Inside Wheel. Main Axle #2 between the Metal Chassis and the Inside Wheel.



1.375" or 1 3/8"

#### Spacer B

Main Axle #2 between the Inside Wheel and the Outside Wheel.



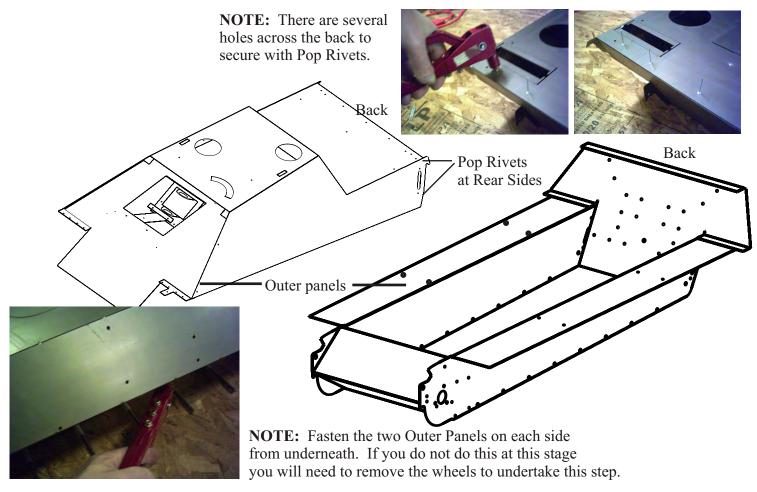
1.875" or 1 7/8"

#### Spacer C

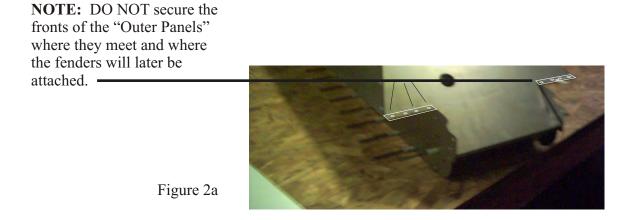
Rear Axle between the Metal Chassis and the Idler Wheel Assembly.

#### Upper Deck to Hull Connection

**Step 1.** With the Axles in place in the Hull you can now fit and secure the Upper Deck to the Hull. This is a relatively simple procedure, simply place the Upper Deck onto the Hull and align the holes of each across the Back and in the Outer Panels (see Step 3 under the Hull and Storage Bins Assembly procedures). There are also two hole at the rears sides that need to be secured. Secure with Pop Rivets



**Step 2.** Your Assembly to this point should look like Figure 2a



## Running Gear

**Step 1.** Locate the Wheels. There should be sixteen (16) Inner Wheels ("inny") (see Figure 1a) and sixteen (16) Outer Wheels ("outy") (see Figures 1b) When installing the wheels make sure that the open groove or hollow sides are placed to back or inside (see Figure 1c).



(16) Road Wheel BRA001-601R



(16) Road Wheel BRA001-601R



Figure 4c

**NOTE**; Both "inny" and "outy" wheels have a hollow side. We consider this to be the BACK side of the wheel.



Figure 4a



Figure 4b

Outer "Outy" Wheel

**Step 2.** Since you already have the Axles installed you can move directly to the installation of the wheels. It is suggested to make this easier that you turn the tank over (see Figure 2a) so that the bottom is facing up. We will begin by installing the wheels in the following sequence and using the spacing material (as described earlier) where required. Begin by going to Step 3.



Figure 2a

#### Running Gear

**Step 3.** Locate the Drive Sprockets and Drive Sprocket Spacers. The drive gears are made of 12 gauge steel. There is an inner drive wheel that is solid and an outergear that has cut out detail. They are held together by four (4) inner spacers.



(2) Drive Sprocket -Inner BRA003-730M



(2) Drive Sprocket -Outer BRA003-731M

(8) Drive Sprocket Spacer BRA003-732M

**Step 4.** Bend the Drive Sprocket Spacer (see Figure 4a to 90degrees along the long seam (see Figure 4b). Bend the tabs at either end up along the sides to 90 degrees (see Figure 4c). Per deck to the Chassis. Attach four (4) Drive Sprocket Spacers onto Drive Sprocket - Inner using Pop Rivets (see Figure 4d). Align the hole in the Drive Sprocket Spacers with holes in the Drive Sprocket - Outer and making sure the teeth on the two (2) Drive Sprockets are aligned secure in place with Pop Rivets (see Figure 4e).





Figure 4a Figure 4b Figure 4c Figure 4d Figure 4e

**Step 5.** The Drive Sprockets are now completed (see Figure 5a) and ready for installation. If you have used a length of Spacer Material to temporarily hold the axle in place remove it now and install the Drive Sprocket Assemblies onto the Drive Axle - one on each side (see Figures 4b and 4c). Secure in place with Push Nuts. Note that the Drive Sprocket Assembliesfit up against the Final Drive Covers (see Figure 5d).





Figure 5b



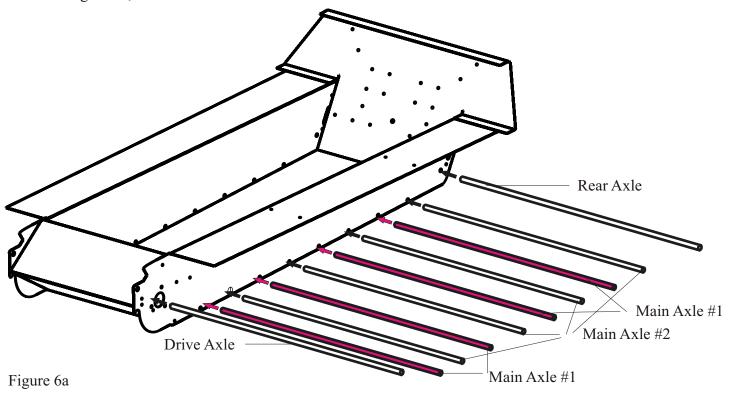


Figure 5d

Figure 5a Figure 5c

## Running Gear

**Step 6.** So that you don't have to go back to find out the axle number designation we are proving the line drawing shown in Figure 6a,



**Step 7.** Install the one each of the Road Wheels (innys) onto each end (side) of the Main Axles #2 (see Figures 6a above and 7a and 7b) against the 1 3/8" Spacer Material and so that the back is facing outward and remembering that the back is the side with the grove or channel in it.

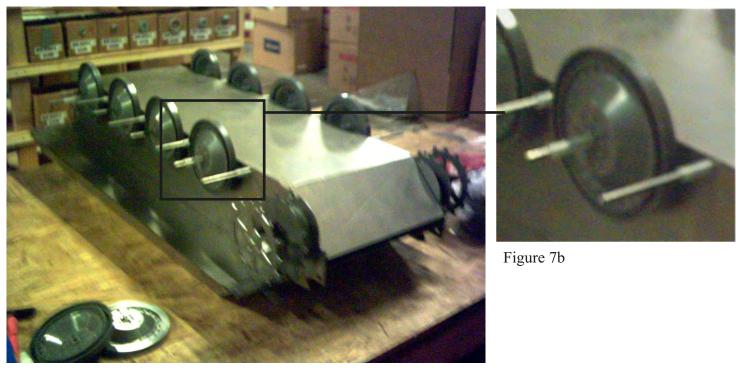


Figure 7a

#### Running Gear

**Step 8.** Before we continue any further we need to install the Idler Wheels. Each Idler Wheel comes in two (2) pieces, the Inner Idler Wheel and the Outer Idler Wheel and need to be assembled. Position the Outer Idler Wheel Piece over the Inner Idler Wheel piece so that the staves on the Outer wheel mesh with the groves in the Inner Wheel and then push the two pieces together until they will come together no further (see Figures 9a and 9b). Although they fit together tightly it is a good idea to secure them together with Super Glue. Install the Idler Wheel Assemblies (one on each side) onto the Rear Axle against the 1 7/8" Spacer Material that you have already installed to hold the Rear Axle in place temporarily See Figure 8a). Secure with Push Nuts.



(2) Idler Wheel Inner BRA003-434R



(2) Idler Wheel Outer BRA003-435R

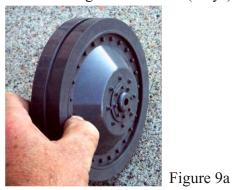


**NOTE:** 

At this point you before securing the Idler Wheels in place with Push Nuts you may want to refer to **Steps 10** and **11**.

Figure 8a

Step 9. Install the one pair (see Figure 9a) each of the Road Wheels (outys) onto each end (side) of the Main Axles #1 (see Figure 6a for Axle locations). Install the 1 3/8" Spacer Material to Main Axles #2 and then install the remaining Road Wheels (innys) against the 1 3/8" Spacer Material (see Figures 9b and 9cand 9d).



Double "outy" Road Wheel set

**NOTE:** During this process it is advisable to put together a short piece of track and to check the fit as outlined in Step 10.





Figure 9c



Figure 9d

## Running Gear

**Step 10.** Before finally securing the Road Wheels in place it is advisable at this point to assemble a short piece of track and lay it over the over the Wheels See Figures 10a and 10b) to make sure the alignment of the Running Gear is straight and true and that everything has been installed correctly. The inside of the teeth on the inside of the track should pass on the outside of the Idler Wheel (see Figure 10c).





Figure 10a

Figure 10b

Figure 10c

Step 11. Secure all wheels in place with Push Nuts.

Step 12. Assemble Complete the Track assembly and install.



Figure 12a

Running Gear

Step 13. The tank with the Running Gear installed, at this point should look as it does in Figure 13a.



Figure 13a

**Step 14.** Locate the Drive Gear Hub and install to the Drive Sprocket as shown in Figure 14a. Install one on each side using Epoxy. This can be done now or at a later date.



(2) Drive Gear Hub BRA003-406R



Figure 14a

#### Front Fender Assembly and Installation

Step 1. Locate the metal Fender pieces, left and right and the two (2) Fender Sides.



(1) Fender -Left BRA003-706M



(1) Fender -Right



(1) Fender Sides -Two (2) Pieces BRA003-707M BRA003-717M

**Step 2.** Ben the Fender fronts to a radius that matches the cure of the Fender Side pieces (see Figure 2a and 2b).





Figure 2a

Figure 2b

Step 3. Bend the tabs on the Fender Side pieces up 90 degrees, bending one in the opposite or mirror image of the other (see Figures 3a, 3b and 3c)...







Figure 3b Figure 3a

Figure 3c

Step 4. Place the Side pieces onto the Right and Left fenders and secure in place with Pop Rivets (see Figures 4a, 4b and 4c).







Figure 4a

Figure 4b

Figure 4c

Step 5. Instal the fenders by aligning the holes in the fender with the holes in the fronts of the hull/Upper Deck assembly (see Figures 5a, 5b and 5c). When complete they should appear as in Figure 5d.









Figure 5b Figure 5a

Figure 5c

Figure 5d

# Jagdpanther - Late Assembly Instructions Mantlet and Barrel Assembly Take two barrel stepdown rings and clue them into each end of the barrel stepdown Insert barrel stepdown into bell portion of mantlet Allow 5.5 inches to remain Glue stepdown piece onto the extended out bell mantlet. from the face of the bell mantlet Insert Muzzle Brake Glue the two into barrel and glue muzzle brake halves together. 5.5 inches Insert barrel into barrel stepdown

This should stick out appr. 6.75 inches

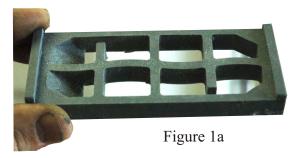
6.75 inches

#### Engine Intake Grill Installation

**Step 1.** Locate the four (4) Engine Intake Grills. Install the Engine Intake Grills into the four corners at the rear of the Upper Deck over the engine (see Figure 1a).



(4) Engine Intake Grill BRA003-430R



**Step 2.** The (4) Engine Intake Grills are to be installed into Engine Cover portion of the Upper Deck (see Figure 2a).



Figure 2a

**Step 3.** To achieve the installation at the notch bend the small tabs at the bottom of the larger tabs out to 90 degrees (see Figure 3a and 3b). Then bend the larger tab down into the opening in the Upper Deck to 90 degrees (see Figure 3b and 3c). Fit the Engine Intake Grills into the pockets (see Figure 3d) you have created at the four corners and secure with Epoxy (see Figure 3e). The grill when installed should look as it does in Figure 3f.



Figure 3a



Figure 3d

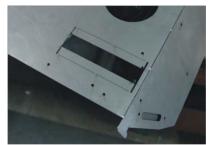


Figure 3b

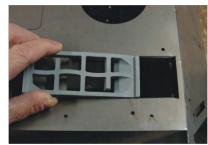


Figure 3e

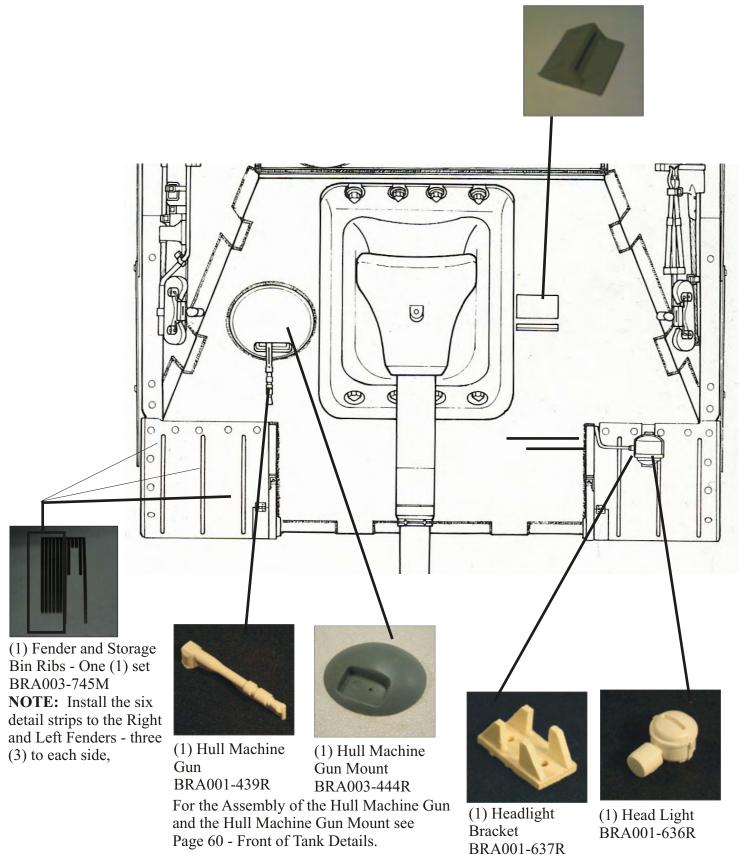


Figure 3c

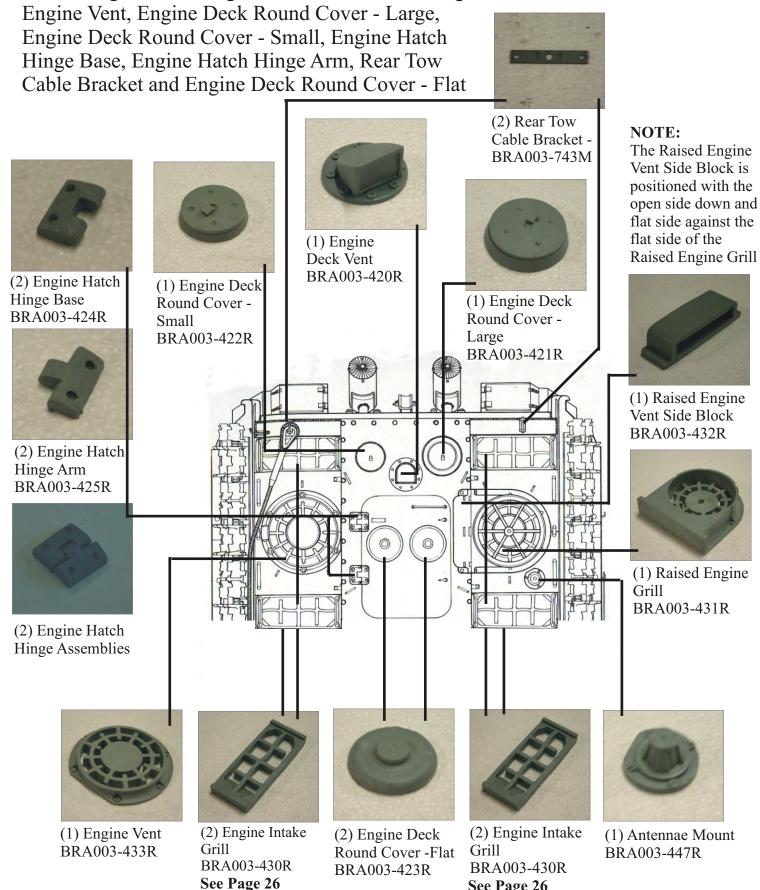


Figure 3f

Upper Deck Part Placement



Upper Deck Part Placement - Rear - Antennae Mount, Engine Intake Grill, Raised Engine Grill, Engine Deck Vent, Raised Engine Vent Side Block,



See Page 26

Fighting Compartment Roof

BRA004-401R

BRA004-403R

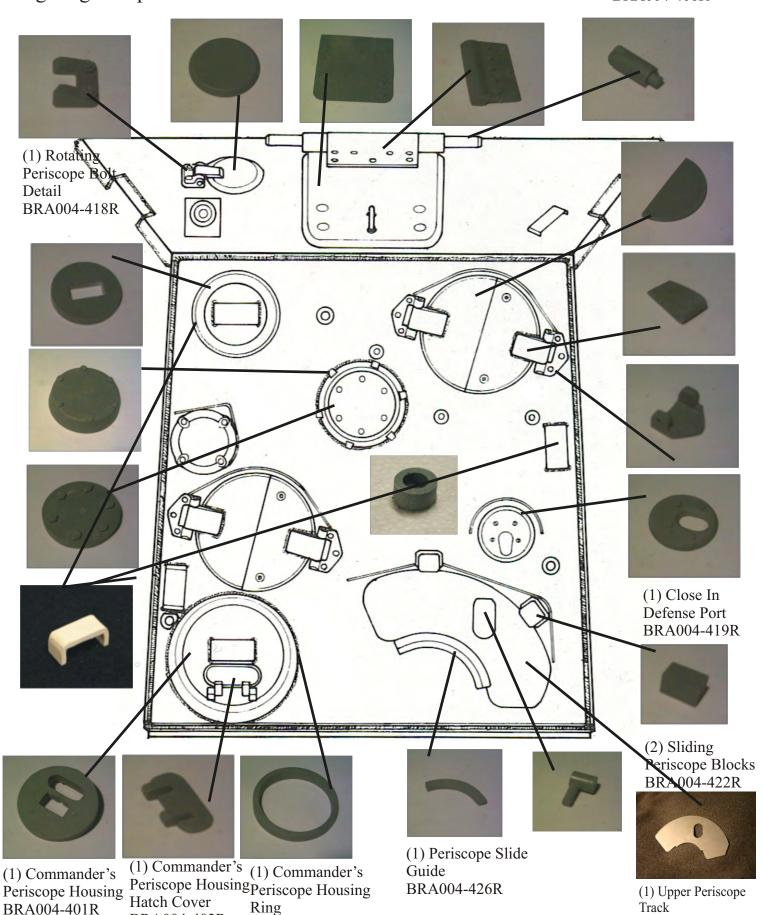
BRA004-402R

(1) Rear Hatch BRA004-404R (1) Rear Hatch Hinge Plate BRA004-405R

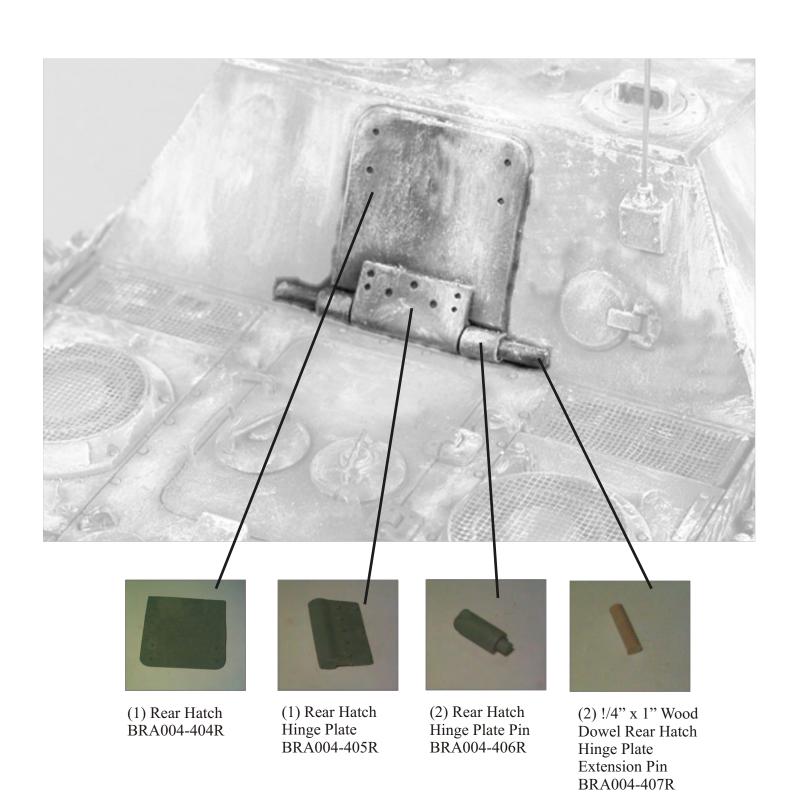
(2) Rear Hatch Hinge Plate Pin BRA004-406R

Track

BRA004-760M



# Jagdpanther - Late Assembly Instructions Loader's Hatch Assembly



Back of Tank Details

#### **Muffler Covers**

**Step 1.** Locate the two (2) Muffler Covers.



(2) Muffler Cover BRA003-715M

**Step 2.** Fold up the Sides to 90 degrees (see Figure 2a).





Figure 2a

**Step 3.** Fold the Back at the top seam between the two (2) large holes up to 90 degrees (see Figure 3a). Fold the Back at the bottom seam between the two (2) large holes up to 90 degrees (see Figure 3b). Bend the Front up to match the slope of the fronts of the sides (see Figure 3c). Bend the Back up 90 degrees to be flush with the ends of the sides (see Figure 3d).







Figure 3c



Figure 3a Figure 3b

**Step 4.** Bend the Flanges on each side outward to 90 degrees (see Figures 4a and 4b





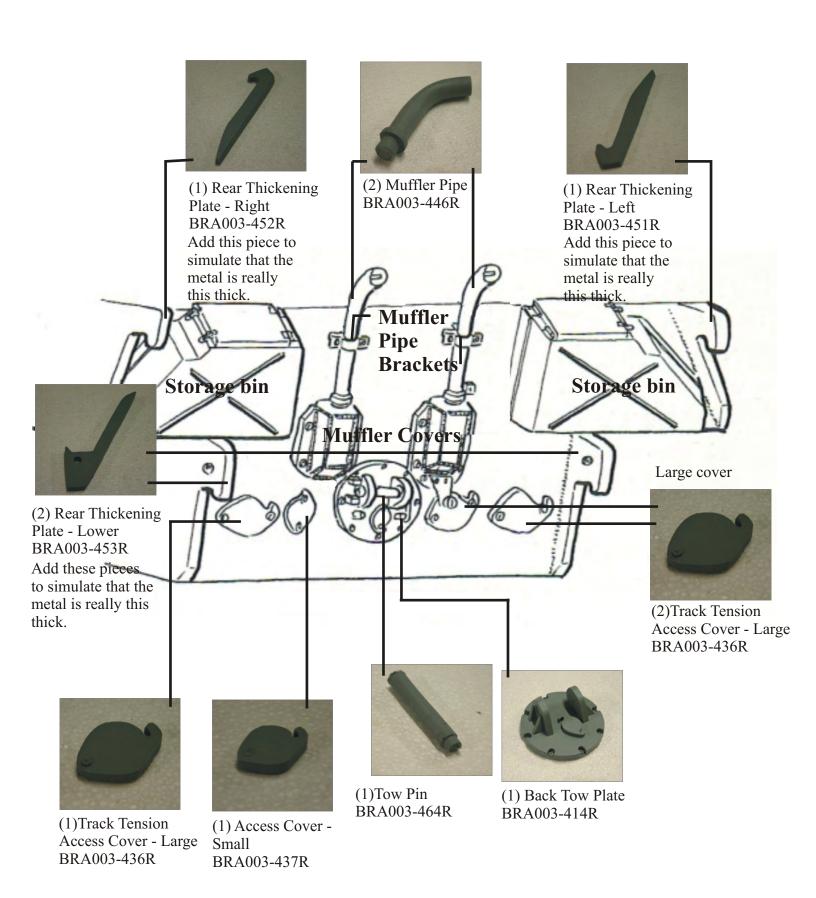
Figure 4a Figure 4b

**Step 5.** Mount the Muffler covers onto the rear of the tank as shown in Figure 5a.

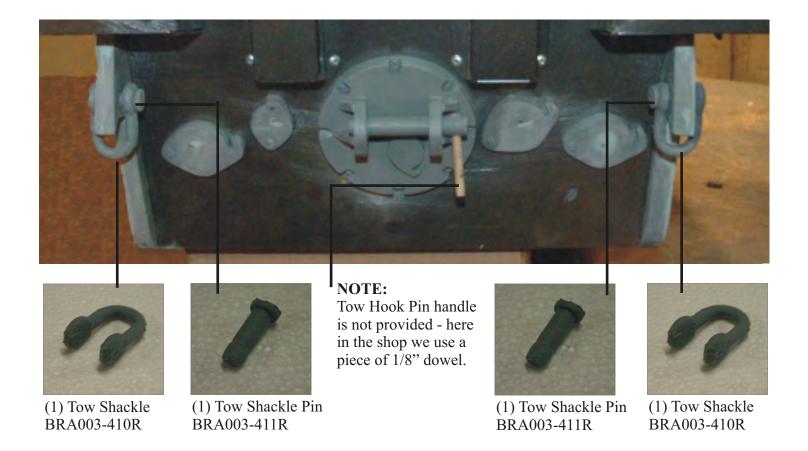


Figure 5a

Back of Tank Details



# Jagdpanther - Late Assembly Instructions Back of Tank Details



Front of Tank Details

NOTE: Drill a 1/4" hole in the Machine Gum Mount at an angle that will allow the Machine Gun to be horizontal (parallel to the ground). Clean up the Hull Machine Gun install it into the Hull Machine Gun hole. Secure with Super Glue.

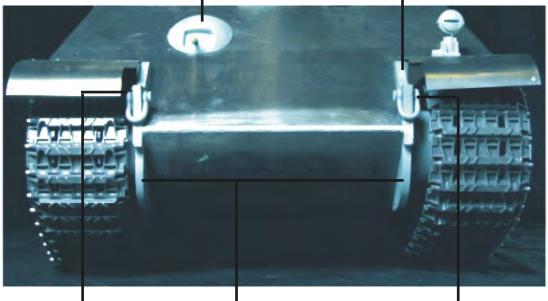


Hull Machine Gun and MountAssembly



(2) Front Thickening Plate - Upper BRA003-461R

**NOTE**; Add these pieces to simulate that the metal is really this thick.





(1) Tow Shackle BRA003-410R



(1) Tow Shackle Pin BRA003-411R



(1) Tow Shackle Pin BRA003-411R



(1) Tow Shackle BRA003-410R

**NOTE**; Add these pieces to simulate that the metal is really this thick.

(2) Front Thickening Plate Lower BRA003-460R

Side Shield Hangers and Panels

**Step 1.** Locate the Left and Right Side Shield Rails remembering that Left is selected while facing forward as if you were sitting in the tank.



(1)Side Shield Rail - Left BRA003-712M



(1) Side Shield Rail - Right BRA003-713M

**Step 2.** Bend the Side Shield Rail to a slight angle, approximately 15 degrees, along the seam that will end up the closest to the Upper Deck where it will be applied (see Figure 2a). Align the holes in the Side Shield Rail with the ones in the Upper Deck that have been provided and secure the Side Shield Rail in place using Pop Rivets (see Figures 2b and 2c)..







Figure 2a

Figure 2b

**Step 3.** Bend the rail edge down at the outer seam to 90 degrees (see Figure 3a). Then bend the rail down so that the top surface of the rail is parallel to the ground (see Figure 3b)





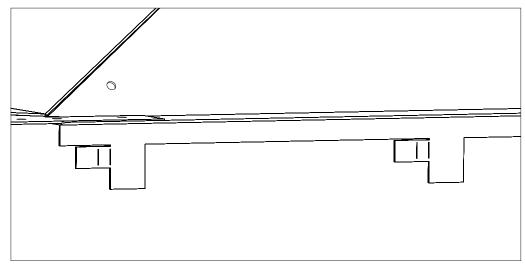
**NOTE:** The Side Shield Rails shown in these photographs are of an earlier model and did not include the Side Shield Clips as an integral part of the Side Shield rain as shown in Step 1. For more information on the installation of the Clips go to the end of this section.

Figure 3a

Figure 3b

Side Shield Hangers and Panels

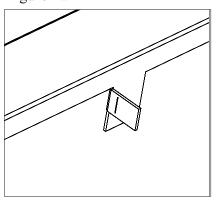
**Step 4.** The Clips for hanging the Side Shields from are an integral part of the Side Shield Rail and before bending to accommodate the Side Shields look as they do in Step 1 and in Figure 4a below. They need to bent in the following manner to accommodate the Side Shields. Bend the Clip outward to 90 degrees (see Figure 4b) and then bend it back at the second seam another 90 degrees creating a "U" shape (see Figure 4c).



NOTE: The Side Shield Rails shown in the photographs in Steps 2 and 3 are of an earlier model which did not include the Side Shield Clips as an integral part of the Side Shield Rail as shown in these illustrations.

For more information on the Clips needed to accommodate the Side Shield Panels on the earlier models see Steps 8, and 9.

Figure 4a



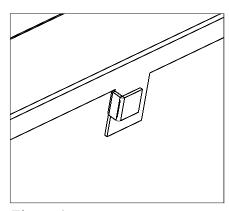


Figure 4b

Figure 4c

**Step 5.** Locate the Side Shield Panels as you are now ready to install them.







(2) Side Shield Type B BRA003-709M



(6) Side Shield Type C BRA003-710M

**NOTE:** The curfs on the openings of Shields Type and Type B are the only thing that differentiates the two from one another as that differentiation causes one typ to be the Front Panel and one to be the Rear Panel. And they are exactly the opposite in placement from one side to the other. In other words the Type A Panel goes in the Front on one side and on the Rear on the other.

Side Shield Hangers and Panels

**Step 6.** Install the side Shields beginning at the rear (see Figure 6a). Align the holes in the Side Shields with the Clip beginning with a Type A Panel on the Left side (a Type B paenl on the Right side). Slide the Panel onto the and shift it Forward (on the Left side of the tank) or backward (on the Right side of the tank) until the curf drops over the arm of the Clip See Figure 6b).





Figure 6a Figure 6b

**Step 7.** Continue the process with three (3) Type C panels (see Figure 7a). Complete the Side Shield installation by installing a Type B panel on the Left side ( Type A panel on the Right side) (see Figure 7b).





Figure 7a Figure 7b

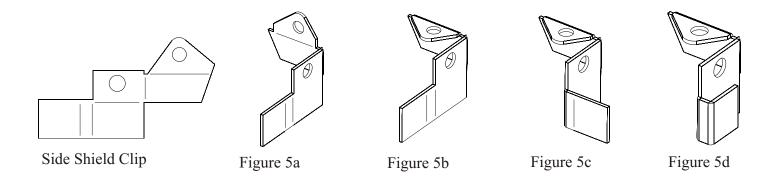
**Step 8.** This step is to assist in the application of the Side Shield Rail Clips. **NOTE:** Steps 8, 9 and 10 can be skipped if your tank is a later model in which the clips are an integral part of the Side Shield Rail.



Side Shield Clips (for early models only) There is no part number for this item.

Side Shield Hangers and Panels

**Step 9.** Bend the Side Shield Clips into the configuration as shown in Figures 5a, 5b, 5c, and 5d. Bend the right side arm up to 90 degrees (see Figure 5a). Bend the top piece of that arm with the hole in it back inward to 90 degrees (see Figure 5b). Bend the left side arm back in the opposite direction at the first seam to 90 degrees. Make a second bend at the second seam another 90 degrees backwards (see Figure 5c and 5d). **NOTE:** There are six clips for each side and the <u>Left Side Clips should be bent to a mirror image of the Right Side Clips.</u>



**Step 10.** Install the Clip into the Side Shield Rail by install them into the channel from the underside, aligning the hole in the top and sides and securing in place with Pop Rivets (see Figures 10a and 10b).

Figure 10b



**Step 11.** For the side panel installation see Steps 5, 6 and 7.

Figure 10a

Tank Details - Right Side



(1) Extra Track

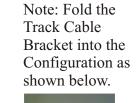
Bracket

Note: Fold the fins on the extra Track Bracket into the Configuration shown

(168) Track Link

BRA001-902P

to the left.



Ropes or Tools are provided.

Note: Place six tracks on the Track Bracket on each side of the

tank

**NOTE:** Only the Brackets and Resin Parts pictured here are provided with this kit. None of the Tow Cables, Tow Cable Connectors,

> Note: Mount two (2) of the Dowels into the holes in the Axe Bracket.



(6) 1/4" x ½" long Wooden Dowel BRA003-805P



(1) Track Cable Bracket BRA003-736M

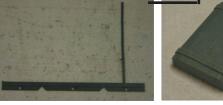
(1) Fire Extinguisher BRA003-405R



(1)Right Pry Bar **Bracket** BRA003-738M



(1) Left Pry Bar Bracket BRA003-737M



Configuration shown above and install the Jack Block. Secure the metal band with Epoxy.

(1) Jack Block (1) Jack Block BRA003-445R Bracket BRA003-735M



(1) Axe Bracket BRA003-739M



Note: Fold the Left Pry Bar Bracket into the Configuration as shown above.



Note: Fold the Axe Bracket into the Configuration as shown above.

Tank Details - Left Side

