P-40B Tomahawk cockpit detail set

Recommended for Monogram 1/48 P-40B Tomahawk

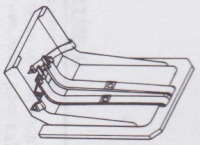
STOCK # 26019

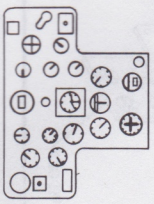
1/48 Scale

Turn your model into a **True Detail** masterpiece

Brass photoetched parts including:

- Instrument panel detail
- Rear cockpit bulkhead
- Seat & seatbelts
- Rudder pedals
- Cockpit sidewall details





Distributed in the U.S.A. by
MMD "*The Plastic Place*"
1115 Crowley Drive
Carrollton, Texas 75011-5010

NOT SUITABLE FOR CHILDREN

Made in U.S.A.

Tools recommended

1. Photoetch scissors (SQUADRON PRODUCTS micro scissors #10401)
2. Files (SQUADRON PRODUCTS needle file set #10701)
3. Hobby knife (SQUADRON PRODUCTS modeling scalpel #10601)
4. Tweezers (SQUADRON PRODUCTS blunt end micro tweezers #10306)
5. Non-serrated needle nose pliers (SQUADRON PRODUCTS round nose pliers #10102)
6. Cyanoacrylate glue ("SUPER GLUE"), liquid cement, and 5-minute clear epoxy.
7. Steel wool or fine grit sandpaper
8. Low tack regular or double sided tape
9. Candle

How to work with photoetched products

1. When working with photoetched parts, it is best to work over an uncluttered white surface area and in a wide open area without carpeting.
2. Match your photoetch sheet with the drawing on the instruction sheet to familiarize yourself with the part numbers.
3. Remove parts one at a time in order not to lose them. To remove parts from sheet, use photoetch scissors or place the sheet on a hard surface such as a sheet of plexiglass, and cut the parts loose with a hobby knife.V
4. Photoetched parts have a tendency to fly off when being removed from the sheet. To help avoid this place a piece of low tack tape over the part being removed or place the entire sheet on a piece of low tack double sided tape and then cut the parts loose.
5. To clean the part once it has been removed from the sheet, hold the part in a pair of non-serrated needle nose pliers and use a steel file to sand off the flash left over from the attachment point to the sheet.
6. To polish out the rough finish that is sometimes left over from the photoetching process use steel wool or fine grit sandpaper (400-600 grit).
7. To bend the photoetched parts use a pair of non-serrated needle nose pliers, or for smaller bends use a pair of tweezers. To soften the photoetched part and make it easier to bend, run the part over a candle flame for approximately 5-10 seconds.
8. To shape the photoetched part into a round or curved shape, wrap the part around a rod or cylindrical object that is about one half the actual diameter. You will have to experiment with different sizes due to the spring back qualities of brass.
9. There are different techniques for gluing photoetched parts. For temporary bonds where photoetched parts come in direct contact with plastic you can use liquid cement. Once the part is glued into position place some cyanoacrylate glue ("SUPER GLUE") around the edge of the part. For stronger more permanent bonds use a cyanoacrylate glue ("SUPER GLUE") or a 5-minute epoxy.
10. For precision gluing, use an old hobby knife or straight pin. A drop of cyanoacrylate glue ("SUPER GLUE") on the tip of the blade or pin will allow you to control the placement of the glue.
11. There is no special process for painting photoetched parts, however painting a primer on the parts once they are glued in place will aid in the adhesion of your final coat of paint and will show off the detail better.

Correcting mistakes

1. **Correcting kinks:** To correct a kink, place the bent (kinked) part into the jaws of flat non-serrated pliers, and compress the part in between the jaws of the pliers.
2. **Wrong bend or fold:** Place the jaws of non-serrated needle nose pliers next to or into the bend and fold the part back in the proper direction. **(Caution):** Do not fold the part back and forth more than three times as this may cause the part to break.
3. **Part glued in wrong place:** Take a hobby knife and pry the part loose. Remove the glue by sanding, scraping, or soaking the part in a glue remover. **(Note):** Due to being pried off, some reshaping of the part may be required.

WARNING

Wear eye protection when working with photoetched products.

Photoetched parts may have sharp edges.

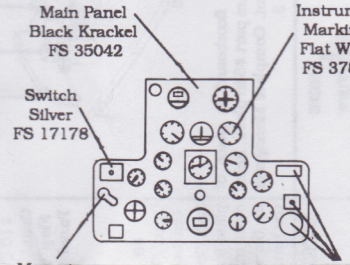
Reference books

Squadron/Signal Publications "In Action" series

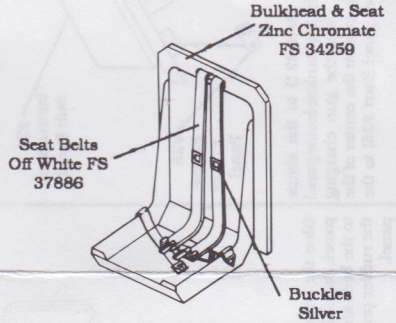
Painting Guide

These color guides are for the parts in this detail set and are used in conjunction with the kit guides. They are not intended to be a replacement for them.

Instrument Panel

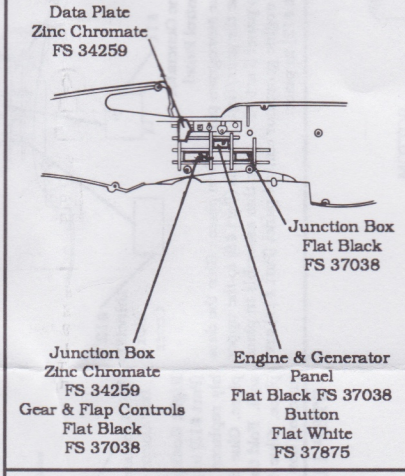


Seat & Aft Bulkhead



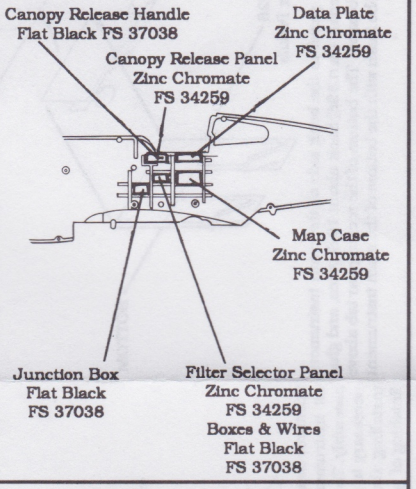
Left Fuselage Side

Cockpit Interior - ,Zinc Chromate FS 34259

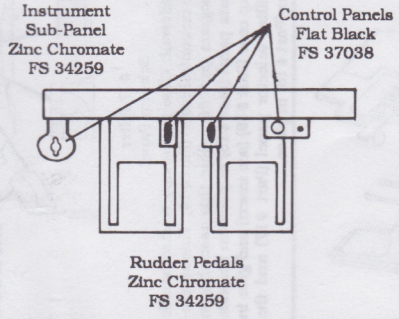


Right Fuselage Side

Cockpit Interior - Zinc Chromate FS 34259

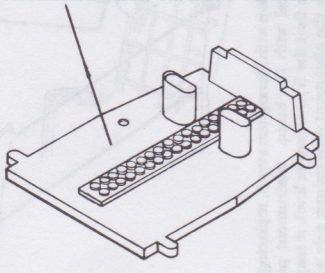


Rudder Pedals

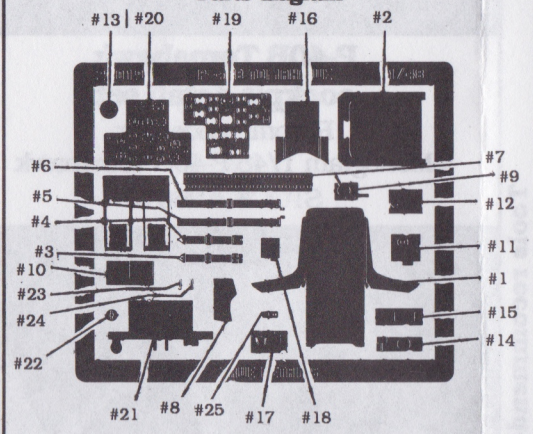


Cockpit Floorboard

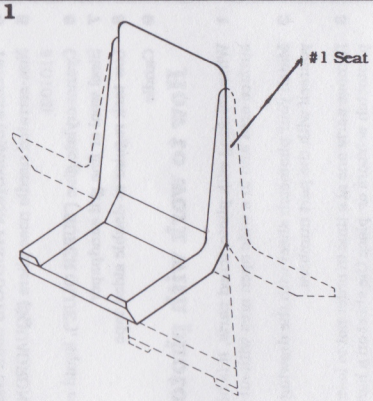
Floor Board - Zinc Chromate FS 34259



Parts diagram

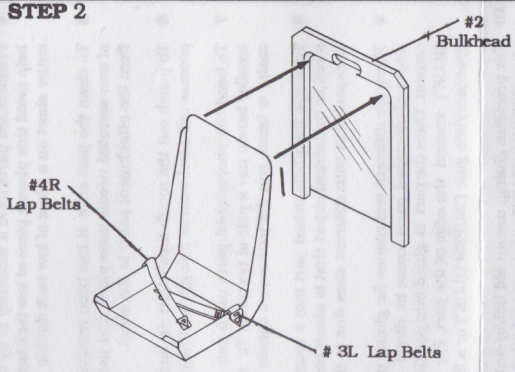


STEP 1



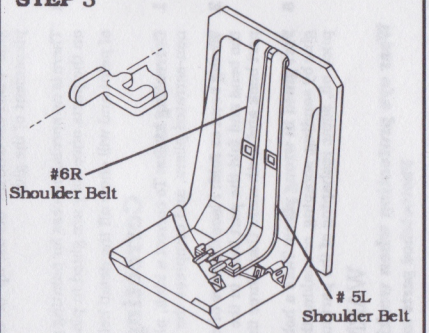
Fold the seat (Part #1) to match the drawing.

STEP 2



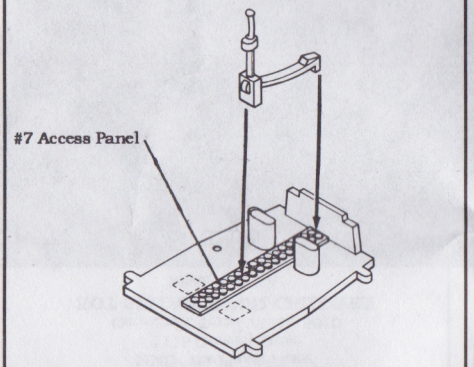
Glue the lap belts (Part # 3L & 4R) to the seat bucket. Then fold the belts over the sides and into the seat. Glue the folded seat to the bulkhead (Part #2). **NOTE:** If you are going to use the pilot figure, some additional trimming and fitting will be required. Refer to your own reference materials for details.

STEP 3



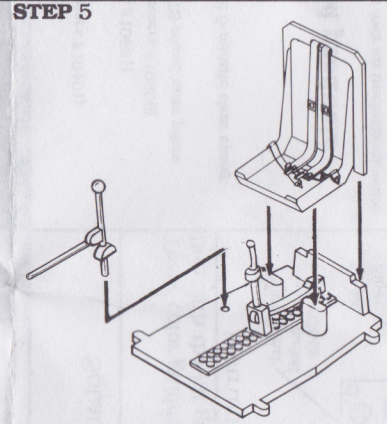
Bend the ends of the shoulder belts (Part # 5L & 6R) up 90 degrees. Refer to the insert drawing. Pass the ends of the shoulder belts with no buckle thru the slot in the bulkhead and adjust the length to your liking. Fold the ends down on the back side of the bulkhead and glue in place.

STEP 4



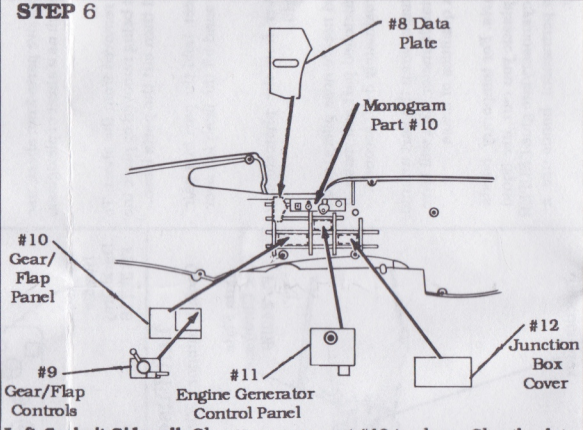
Remove the kit rudder pedals from the floor board. Glue the access panel (Part #7) to the center line of the floor board. Glue the control stick, Monogram part #2, to the aft end of the floor board.

STEP 5



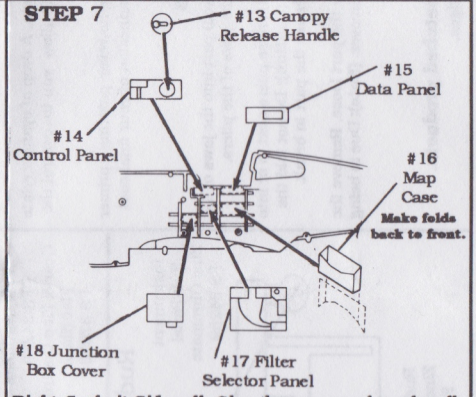
Glue the seat assembly to the floorboard in place of Monogram part #1. Glue Monogram part #5 in place. Refer to Monogram Step 3 for placement. Complete Monogram Step 4, and skip Monogram Step 5.

STEP 6



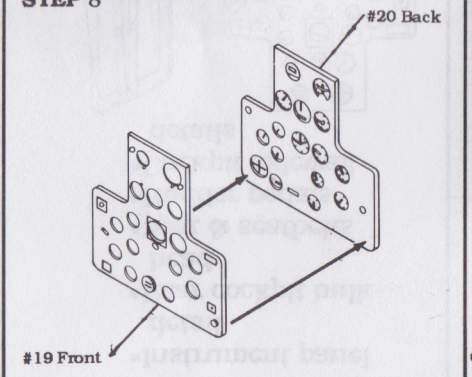
Left Cockpit Sidewall: Glue Monogram part #10 in place . Glue the data plate (Part #8) in place. Glue the gear/flap controls (Part #9) to the upper right corner of the gear/flap panel (Part #10). Glue this assembly in place on the side wall. Glue the engine generator control panel (Part #11) and the junction box cover (Part #12) in place.

STEP 7



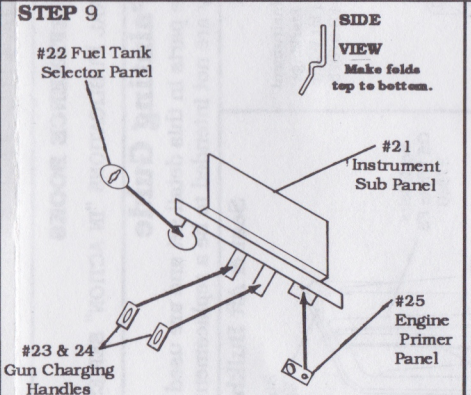
Right Cockpit Sidewall: Glue the canopy release handle (Part #13) in place on control panel (Part #14). This assembly replaces Monogram part #9. Glue this assembly in place. Glue the data panel (Part #15) in place on the side wall. Fold the map case (Part #16) (see insert) and glue in place. Glue the filter selector panel (Part #17) and the junction box cover (Part #18) in place.

STEP 8



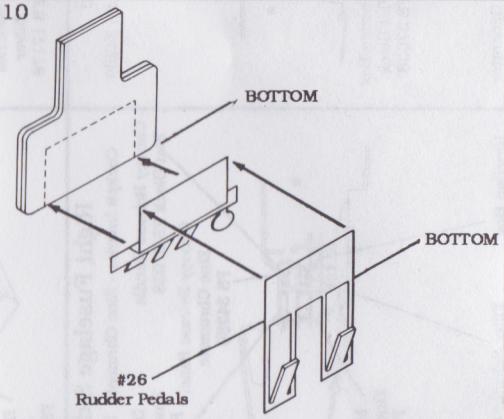
The main instrument panel is a sandwich assembly. The back (Part #20) has the instrument faces etched into it. The front (Part # 19) has the instrument bezels relief etched on it. This provides a more realistic appearance to the panel. After it is painted to your liking, glue the two parts together. Take your time to insure proper alignment.

STEP 9



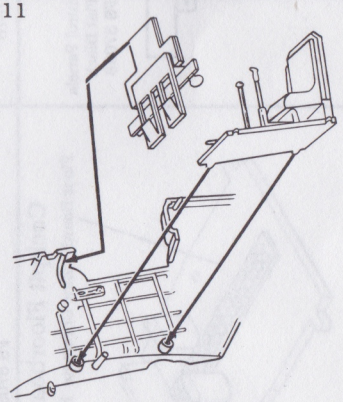
Fold the instrument sub panel (Part #21) to the shape shown in the insert above. Glue the fuel tank selector panel (Part #22) to the circular tab. Glue the gun charging handles (Part #23 & 24) to the two tabs in the center of the sub panel. Glue the engine primer panel (Part #25) to the rectangular tab.

STEP 10



Glue the assembled sub panel to the back side of the main instrument panel. Bend the rudder pedals (Part #26) back about 10 degrees, and glue to the back side of the sub panel. The bottom of the rectangular tab above the rudder pedals should be flush with the bottom of the main instrument panel.

STEP 11



Continue construction with Monogram step 6, replacing the kit instrument panel with the brass instrument panel assembly. To insure that the floor board is level, it may be necessary to remove the alignment pins on one side when installing the floor board. Finish the construction and finishing of your model.