

# P-38J/L Lightning detail set

Recommended for  
Monogram 1/48 P-38J/L  
STOCK #26009

Turn your model into a True Detail masterpiece

Brass photoetched parts including:

- Cockpit detail
- 2 piece instrument panel
- Wing spoilers
- Engine inlet screens

Distributed in the U.S.A. by  
MAM "The Plastic Place"  
1115 Crowley Drive  
Carrollton, Texas 75011-5010  
NOT SUITABLE FOR CHILDREN  
Made in USA

## 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.
- 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.

## References & painting guide

- |                            |                            |
|----------------------------|----------------------------|
| A - Off White FS 37886     | E - Black Krackel FS 35042 |
| B - Leather Brown FS 30099 | F - Zinc Chromate FS 34259 |
| C - Silver FS 17178        | G - Flat Black FS 37038    |
| D - Red FS 31136           | H - Flat White FS 3787     |

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.

## Reference Books

Squadron/Signal Publications "in action" series

Rudder Pedals C or F

Oxygen Regulator G

Oxygen Gauge G

Fuel Selectors C

Fuel Control Panel G

Window Crank Handle F

Knobs & Shafts G

Knobs D

Throttle Panel F

Sub Panel G

Switch Panel E

Spacer & Trim Wheel F

Butons H

Window Crank Handle F

Shoulder Belts A

Lap Belt A

Buckles C

Leather Pad B

Buckles C

Lap Belt A

Buckles C

Armor Plate F

Headrest B

Armor Plate F

Instrument Panel Back G

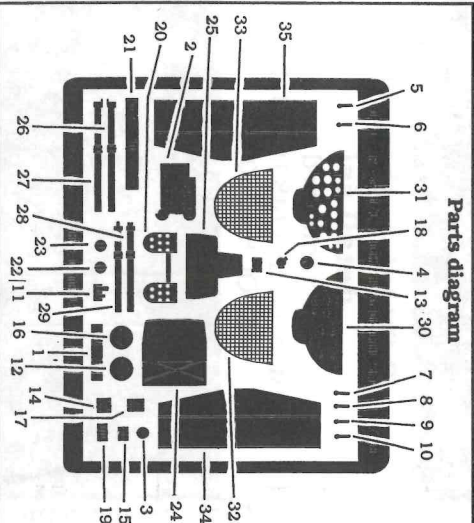
Markings & Needles H

Instrument Panel Front E

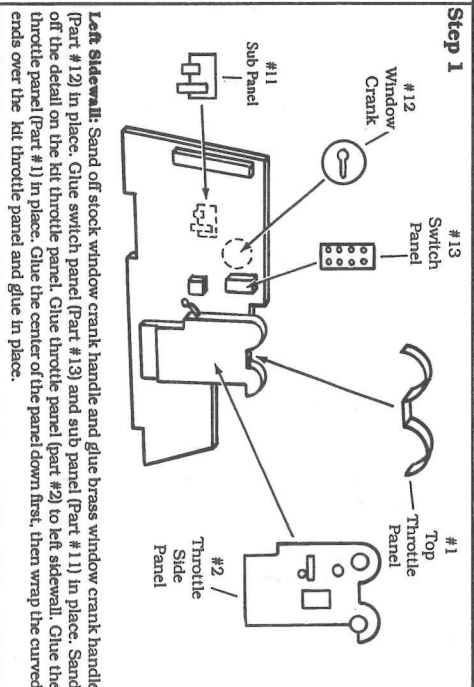
Engine Intake Screens G

Dive Flaps Paint same color as aircraft exterior finish



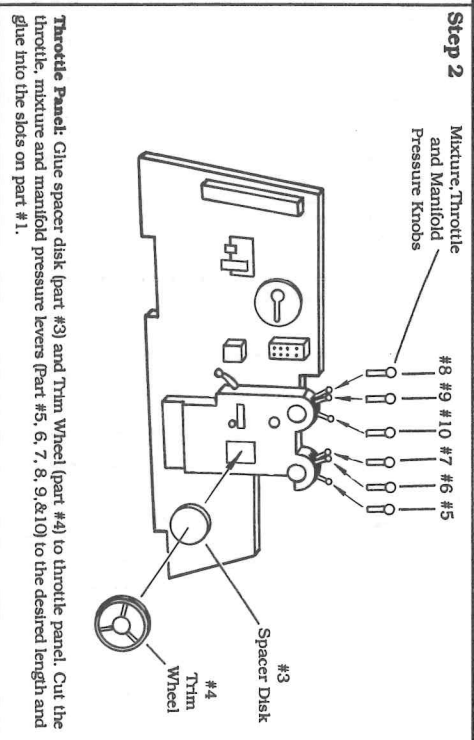


**Parts diagram**



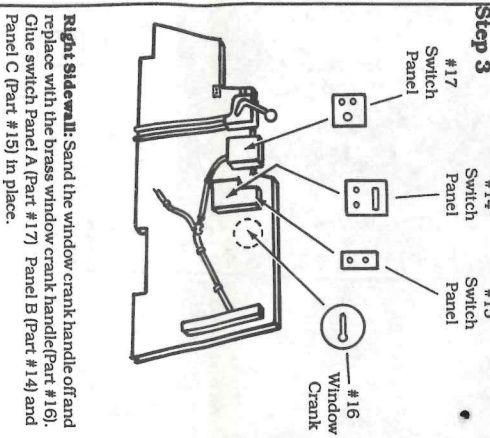
**Step 1**

**Left sidewall:** Sand off stock window crank handle and glue brass window crank handle (Part #12) in place. Glue switch panel (Part #13) and sub panel (Part #11) in place. Sand off the detail on the kit throttle panel. Glue throttle panel (part #2) to left sidewall. Glue the throttle panel (Part #1) in place. Glue the center of the panel down first, then wrap the curved ends over the kit throttle panel and glue in place.



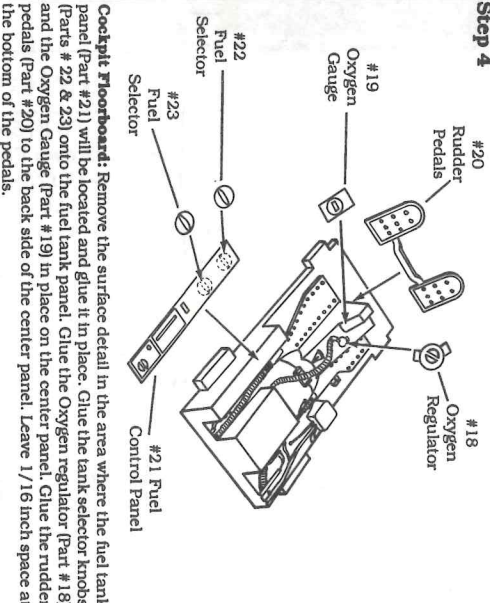
**Step 2**

**Throttle Panel:** Glue spacer disk (part #3) and Trim Wheel (part #4) to throttle panel. Cut the throttle, mixture and manifold pressure levers (Part #5, 6, 7, 8, 9, & 10) to the desired length and glue into the slots on part #1.



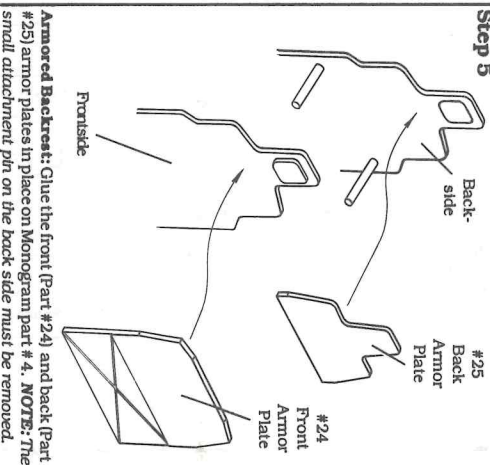
**Step 3**

**Right Sidewall:** Sand the window crank handle off and replace with the brass window crank handle (Part #16). Glue switch Panel A (Part #17) Panel B (Part #14) and Panel C (Part #15) in place.



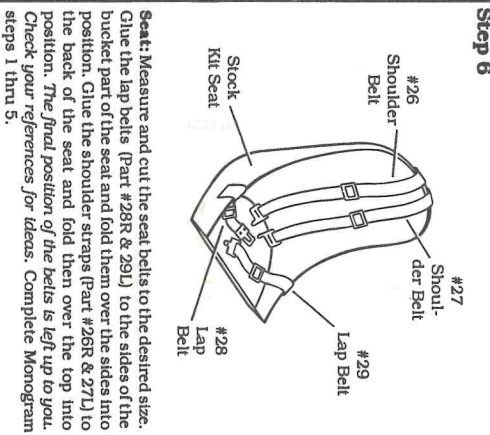
**Step 4**

**Cockpit Floorboard:** Remove the surface detail in the area where the fuel tank panel (Part #21) will be located and glue it in place. Glue the tank selector knobs (Parts #22 & 23) onto the fuel tank panel. Glue the Oxygen regulator (Part #18) and the Oxygen Gauge (Part #19) in place on the center panel. Glue the rudder pedals (Part #20) to the back side of the center panel. Leave 1/16 inch space at the bottom of the pedals.



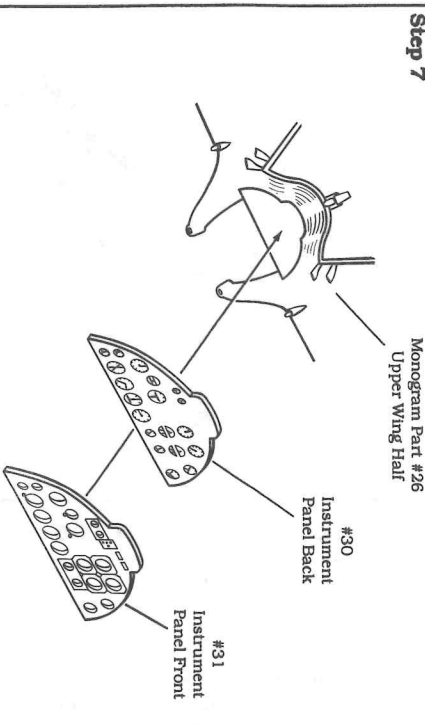
**Step 5**

**Armored Backrest:** Glue the front (Part #24) and back (Part #25) armor plates in place on Monogram part #4. **NOTE:** The small attachment pin on the back side must be removed.



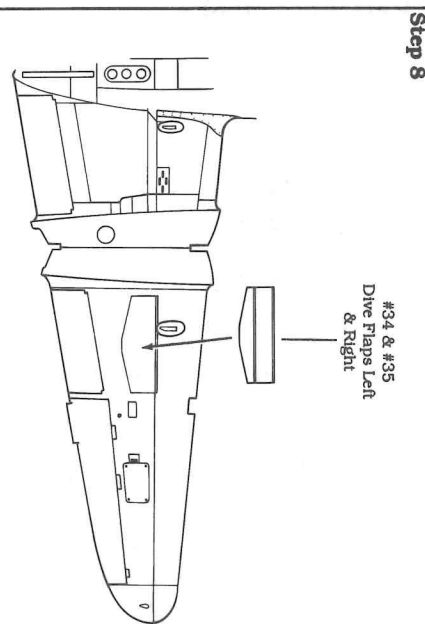
**Step 6**

**Seat:** Measure and cut the seat belts to the desired size. Glue the lap belts (Part #28R & 29L) to the sides of the bucket part of the seat and hold them over the sides into position. Glue the shoulder straps (Part #26R & 27L) to the back of the seat and hold them over the top into position. The final position of the belts is left up to you. Check your references for ideas. Complete Monogram steps 1 thru 5.



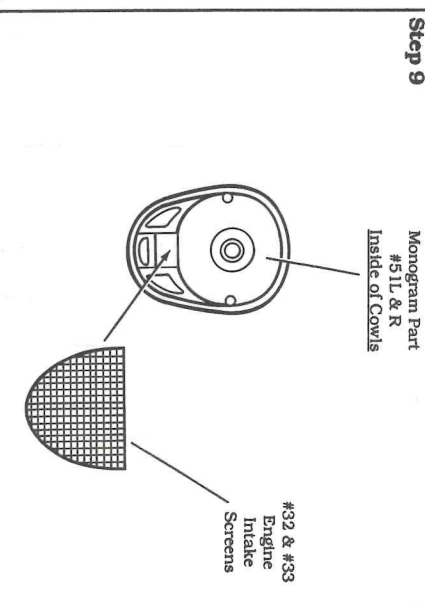
**Step 7**

**Instrument Panel:** Sand the prepainted instrument panel back (Part #30) in place behind the prepainted instrument panel front (Part #31). Complete Monogram Step 6, gluing the brass instrument panel to Monogram Part #26 in place of the decal. Continue with Monogram steps 7 thru 9.



**Step 8**

**Dive Flaps:** Sand the dive flap detail off the lower wings. Monogram part #28. Glue the brass dive flaps (Part #34 & 35) in place on the wings. Complete Monogram Steps 10 thru 17.



**Step 9**

**Intake Screens:** Glue the intake screens to the inside of Monogram part #51R & 51L. Continue with the remainder of the Monogram instructions and finishing guides.