

Academy Models 12573

Academy Hobby 1/72 Scale USN PBY-5A Plastic Model Kit Instruction Manual

Model: 12573 - The Battle of Midway 80th Anniversary Edition

1. INTRODUCTION

This document provides instructions for the assembly, maintenance, and display of the Academy Hobby 1/72 Scale USN PBY-5A Plastic Model Kit. This kit allows for the construction of a detailed replica of the Consolidated PBY Catalina aircraft, commemorating the 80th Anniversary of the Battle of Midway.

The kit includes highly detailed plastic parts, a display stand, and decals. Please note that assembly and painting are required. Paint and glue are **NOT** included and must be purchased separately.

2. SAFETY INFORMATION

- Always read the entire instruction manual before beginning assembly.
- Keep small parts away from young children to prevent choking hazards.
- Use appropriate ventilation when working with model glues and paints.
- Exercise caution when using hobby knives and other sharp tools. Always cut away from your body.
- Dispose of waste materials responsibly.

3. ASSEMBLY INSTRUCTIONS

The assembly of this plastic model kit requires careful attention to detail and adherence to the provided step-by-step diagrams within the kit packaging. The general process involves:

1. **Part Preparation:** Carefully remove parts from the sprues using a hobby knife or nippers. Clean any excess plastic (flash) with a sanding stick or file.
2. **Dry Fitting:** Before applying glue, dry-fit parts to ensure proper alignment and fit.

3. **Gluing:** Apply plastic cement sparingly to the joining surfaces. Hold parts together until the glue sets.
4. **Painting:** Follow the painting guide provided in your kit for accurate color schemes. Apply paint in thin, even coats.
5. **Decal Application:** Once paint is dry, apply decals using water and decal setting solutions as needed.
6. **Final Assembly:** Attach smaller details, landing gear, propellers, and the display stand as per the instructions.

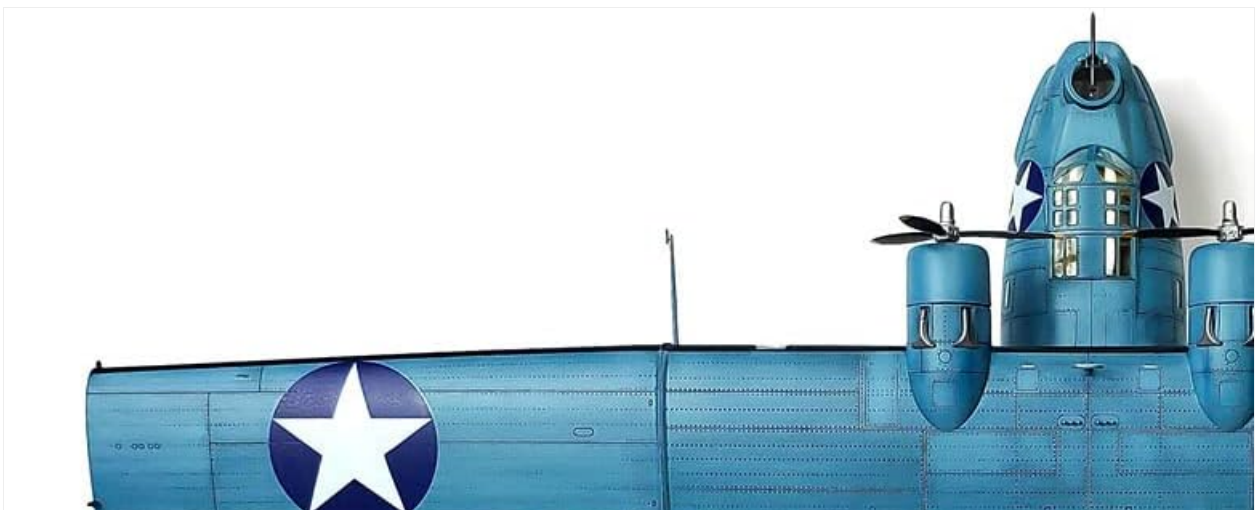
Refer to the specific diagrams and instructions included in your model kit box for detailed, step-by-step guidance on each component.



Figure 3.1: Fully assembled USN PB5-A model, showing overall dimensions (275mm length, 90mm height).



Figure 3.2: Top and side views of the completed model, highlighting the aircraft's distinctive shape and details.



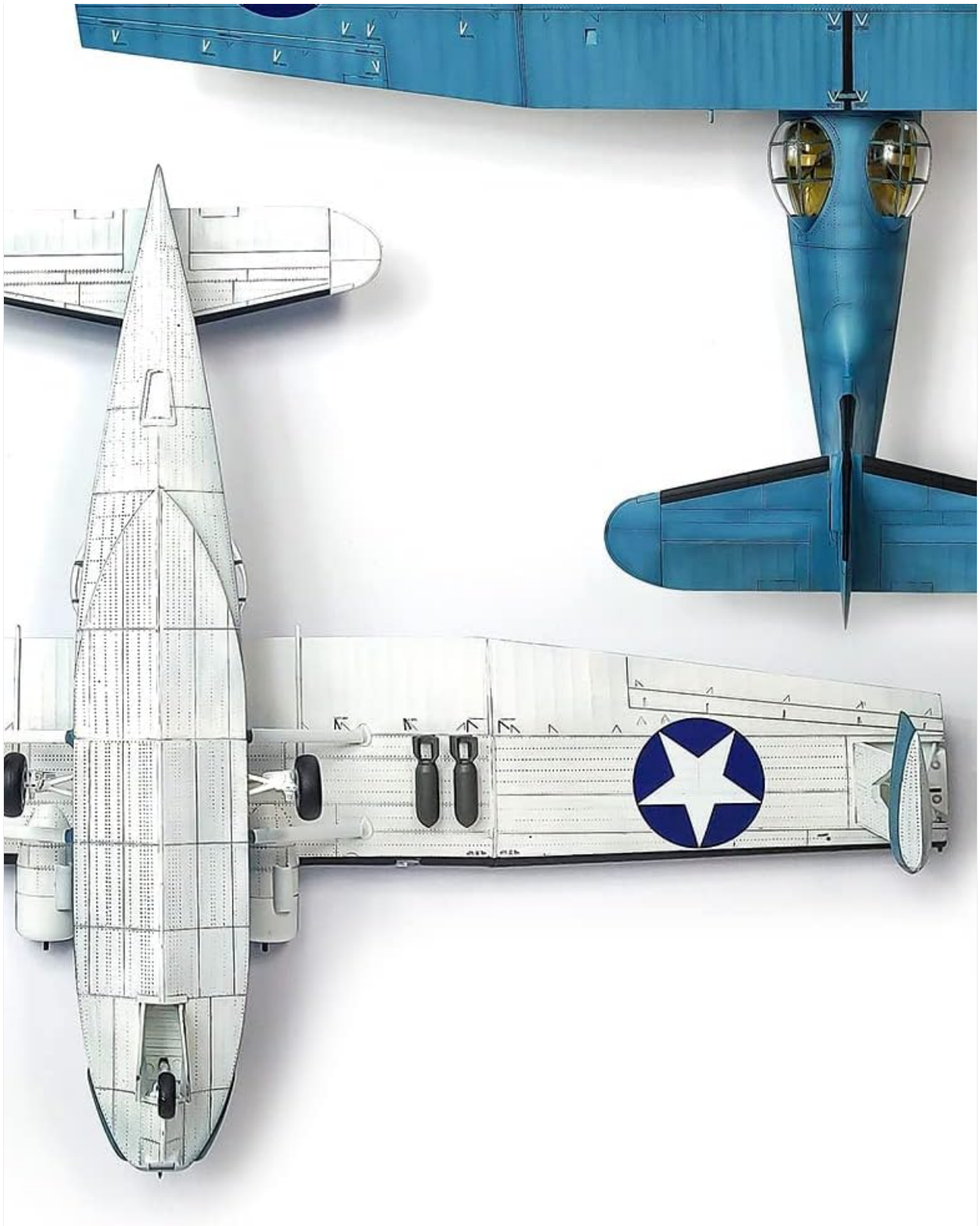


Figure 3.3: Overhead and underside views, illustrating wing structure, engine nacelles, and optional bomb loadout.



Figure 3.4: Close-up details of the model, showcasing the cockpit glazing, engine propellers, and tail section.



Figure 3.5: Frontal view of the model, displaying the nose turret and landing gear configuration.



Figure 3.6: Angled front view, providing a perspective of the aircraft's broad wingspan and amphibious design.



Figure 3.7: Angled rear view, showing the tail section and the rear gunner blisters.

4. DISPLAYING THE MODEL

Once assembled and painted, your PBX-5A model can be displayed on the included stand or on its landing gear. Choose a stable, level surface away from direct sunlight, excessive heat, or humidity to preserve the model's finish and structural integrity.

5. MAINTENANCE

To maintain the appearance of your model:

- **Cleaning:** Dust the model regularly with a soft, dry brush or a lint-free cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** If storing the model, place it in a protective container to prevent dust accumulation and accidental damage.
- **Handling:** Handle the model by its sturdy parts, such as the fuselage or wings, to avoid damaging delicate components like antennas or landing gear.

6. TROUBLESHOOTING COMMON ASSEMBLY ISSUES

- **Parts Not Fitting:** Ensure all sprue gates and flash are completely removed. Dry-fit again. If necessary, gently sand or trim the mating surfaces.

- **Gaps Between Parts:** Use plastic filler putty to fill any noticeable gaps after gluing. Sand smooth once dry.
- **Decals Silvering:** Apply a gloss coat before decals. Use decal setting solutions to help decals conform to surfaces and eliminate air bubbles. Apply a matte or satin clear coat after decals to seal them.
- **Paint Issues:** Ensure surfaces are clean and primed. Apply paint in thin layers to avoid brush strokes or loss of detail. Allow adequate drying time between coats.

7. SPECIFICATIONS

Feature	Detail
Brand	Academy Models (Generic)
Model Name	1/72 Scale USN PB5-5A (The Battle of Midway 80th Anniversary)
Item Model Number	12573
Scale	1/72
Material	Plastic
Product Dimensions (L x W x H)	16.7 x 10.4 x 2.5 inches (approximate box dimensions)
Item Weight	1.04 pounds
Included Components	Model kit pieces, stand, decals
Assembly Required	Yes
Paint & Glue Included	No

8. WARRANTY INFORMATION

This product is a plastic model kit. Specific warranty information is typically provided by the manufacturer within the kit packaging. Please refer to any documentation included in your kit for details regarding manufacturer's warranty or return policies.

9. CUSTOMER SUPPORT

For assistance with missing parts or specific kit-related inquiries, please contact the manufacturer, Academy Models, directly. Contact information is usually found on the kit box or within the instruction booklet. For general hobby advice, local hobby shops and online modeling communities can be valuable resources.