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› Tamiya 1/48 Lockheed Martin F-16CJ Plastic Model Airplane Kit User Manual

TAMIYA TAM61098

Tamiya 1/48 Lockheed Martin F-16CJ Plastic Model Airplane Kit User Manual

Model: TAM61098

1. PRODUCT OVERVIEW

The Tamiya 1/48 Lockheed Martin F-16CJ (Block 50) is a highly detailed plastic model kit of a modern USAF fighter-bomber. This aircraft is specifically optimized for Suppression of Enemy Air Defenses (SEAD) missions. The kit accurately replicates the F-16's distinctive blended wing body design, and features optional position canopy and flaperons, as well as pivoting stabilators. It also includes a pilot figure with options for a standard or JHMCS flight helmet.

The kit comes complete with a variety of authentic weapons and accessories, such as HARM, AMRAAM, and Sidewinder missiles (M and X variants), detachable external fuel tanks, an ECM pod, and an HTS pod. Detailed decals are provided for three different aircraft, including the 5th Air Force commander's plane stationed at Misawa Airbase in 2005.



Figure 1.1: Fully assembled Tamiya 1/48 Lockheed Martin F-16CJ model, displaying its intricate details and various armaments.

Key Features:

- 1/48 Scale Aircraft model kit.
- Detailed markings for 3 aircraft, including the 5th Air Force commander's aircraft stationed at Misawa airbase in 2005.
- One pilot figure included, which can be depicted with either a standard or JHMCS flight helmet.
- Accurate representation of the F-16CJ (Block 50) fighter-bomber.
- Includes various weapons and accessories for customization.

Product Overview Video:

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Video 1.1: An official product overview video showcasing the Tamiya 1/48 Lockheed Martin F-16CJ model kit, including its contents and key features. This video provides a visual guide to the kit's components and the level of detail.

2. SAFETY INFORMATION

Warning: This product contains small parts and is not suitable for children. It is recommended for ages 16 and above due to the intricate nature of the components and the requirement for precision assembly.

- Always use appropriate tools for cutting and sanding parts.
- Ensure proper ventilation when using adhesives, paints, and thinners.
- Keep all modeling chemicals out of reach of children and pets.
- Wear safety glasses to protect your eyes from small flying debris during cutting.
- Dispose of waste materials responsibly.

3. SETUP AND ASSEMBLY

Assembling the Tamiya F-16CJ model kit requires patience and attention to detail. Follow the step-by-step instructions provided in the kit's manual for optimal results. Ensure you have a clean, well-lit workspace and the necessary modeling tools.

3.1 Unboxing and Part Identification

Upon opening the kit, you will find several sprues containing the model parts, a decal sheet, and the instruction manual. Familiarize yourself with the parts layout on the sprues and cross-reference them with the parts list in the manual.



Figure 3.1: The packaging for the Tamiya 1/48 Lockheed Martin F-16CJ model kit, featuring an illustration of the aircraft.



Figure 3.2: A close-up view of the grey plastic sprues, displaying the individual components of the F-16CJ model kit before assembly.

3.2 Basic Assembly Steps

1. **Part Preparation:** Carefully cut parts from the sprues using a hobby knife or nippers. Remove any excess plastic

(flash) with a hobby knife or fine-grit sandpaper.

2. **Sub-Assembly:** Begin by assembling smaller sections, such as the cockpit, landing gear, and weapon pylons. The kit includes a detailed cockpit and pilot figure.



Figure 3.3: A detailed view of the F-16CJ model's cockpit, highlighting the pilot figure and intricate interior.

3. **Fuselage Assembly:** Join the main fuselage halves, ensuring a precise fit. Use plastic cement sparingly to avoid damaging surface details.
4. **Wing and Tail Assembly:** Attach the wings, horizontal stabilators, and vertical tail fin. The stabilators are designed to pivot.
5. **Canopy Options:** The kit provides two canopy options: a clear canopy and a tinted one for radar absorption. Choose the appropriate canopy based on your desired representation.



Figure 3.4: The two distinct canopy options included in the kit: a clear version and a tinted version.

6. **Weapon and Accessory Attachment:** Mount the various missiles (HARM, AMRAAM, Sidewinder), fuel tanks, and ECM/HTS pods to the designated hardpoints.



Figure 3.5: The underside of the F-16CJ model, showcasing the detailed landing gear and the array of weapons and external fuel tanks.

7. **Painting and Decals:** After assembly, paint the model according to the recommended color schemes. Apply the provided decals carefully using decal setting solutions for a seamless finish.

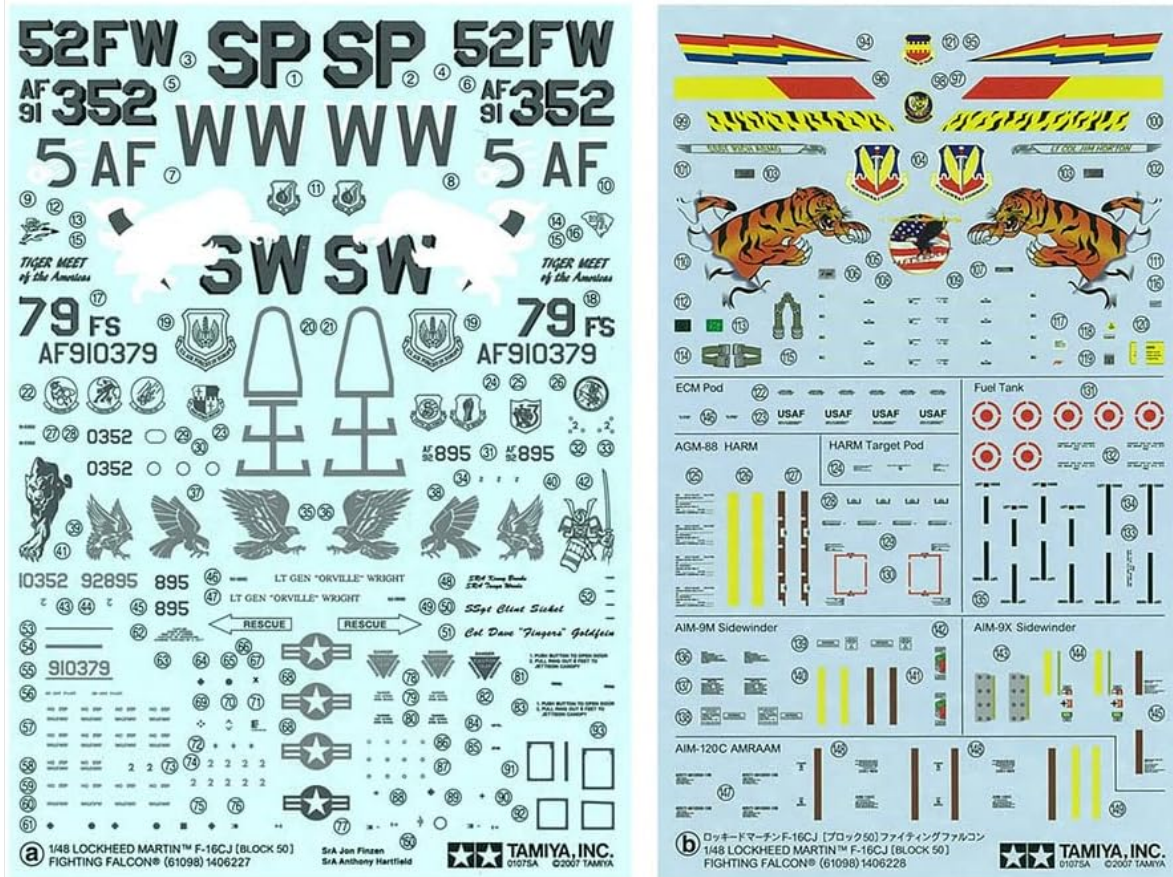


Figure 3.6: The comprehensive decal sheets included with the kit, offering markings for multiple aircraft variants and detailed stencils.

4. OPERATING THE MODEL

The Tamiya 1/48 Lockheed Martin F-16CJ is a static display model kit. It is not designed for flight or remote control operation. Once assembled, its primary function is for display and appreciation of its detailed replication of the real aircraft.

5. MAINTENANCE

To ensure the longevity and appearance of your assembled model, follow these maintenance guidelines:

- **Cleaning:** Dust the model regularly with a soft, dry brush or a microfiber cloth. Avoid using abrasive cleaners or solvents, as these can damage paint and decals.
- **Display Environment:** Display the model in a stable, dust-free environment away from direct sunlight, extreme temperatures, and high humidity. Prolonged exposure to sunlight can cause decals to fade and plastic to warp.
- **Handling:** Handle the model by its main body or sturdy sections. Avoid touching delicate parts like antennas, pitot tubes, or small weapons, as they can break easily.
- **Repairs:** In case of accidental damage, use appropriate plastic cement or super glue for repairs. For paint chips or decal damage, touch up with matching paints or spare decals if available.

6. TROUBLESHOOTING

While Tamiya kits are known for their precision, minor issues can sometimes arise during assembly or painting. Here are some common troubleshooting tips:

Issue	Possible Cause	Solution
Parts don't fit perfectly	Excess flash, paint buildup, or slight warping.	Carefully trim flash, sand mating surfaces, or gently bend warped parts into shape. Use clamps or tape during gluing.
Bubbles under decals	Trapped air or insufficient water/setting solution.	Prick the bubble with a sharp needle and apply more decal setting solution, gently pressing down.
Paint not adhering or rough finish	Surface not clean, improper primer, or incorrect paint consistency/application.	Ensure parts are clean and grease-free before priming. Thin paint properly and apply in thin, even coats. Allow adequate drying time between coats.
Small parts breaking	Excessive force during removal from sprue or handling.	Use sharp nippers for sprue removal. Handle delicate parts with tweezers and minimal pressure.

7. SPECIFICATIONS

Attribute	Detail
Brand	TAMIYA
Model Name	1/48 Lockheed Martin F-16CJ Plastic Model Airplane Kit
Model Number	TAM61098
Scale	1:48 Scale
Material	Plastic
Color	Grey
Item Dimensions (L x W x H)	13.75 x 7.88 x 2.88 inches (packaging)
Item Weight	1.06 Pounds
Number of Pieces	1 (referring to the kit as a single item, not individual parts)
Recommended Age	16 - 16 years (Adult)
Country of Origin	Philippines
Included Components	Tamiya 61098 1/48 Lockheed Martin F-16CJ Plastic Model Airplane Kit (parts, decals, instructions)

8. WARRANTY AND SUPPORT

Specific warranty information for the Tamiya 1/48 Lockheed Martin F-16CJ Plastic Model Airplane Kit is typically provided within the product packaging or can be found on the official Tamiya website. Please refer to these resources for detailed warranty terms and conditions.

For technical support, missing parts, or inquiries regarding the model kit, please contact Tamiya customer service directly. Their contact information can usually be found on the product box or their official website.

Manufacturer: Tamiya

Website: www.tamiya.com (Please check the official website for the most current contact and support information.)