

# HB F-4E Phantom II - Grease Pencil/Picture Mod

A Complete Guide to Installing & Using the Grease-Pencil-Picture Mod  
(Version 1.0)

## :: Introduction ::

This mod enhances the Jester-AI Grease Pencil function for the Pilot and WSO canopy glass in the Heatblur: F-4E Phantom II module. Allowing users to **place, manipulate, and paint images directly onto their canopy instead of just drawing on it**, improving mission communication and immersion if you want. (or just add tiddies everywhere)

## Mod Requirements:

- # DCS World
- # Heatblur F-4E Phantom II module
- # Basic knowledge of DCS file structure for mod installation



# !!! Installation !!!

## ◆ Installing the Mod

To install the mod, simply place it in the correct directory:

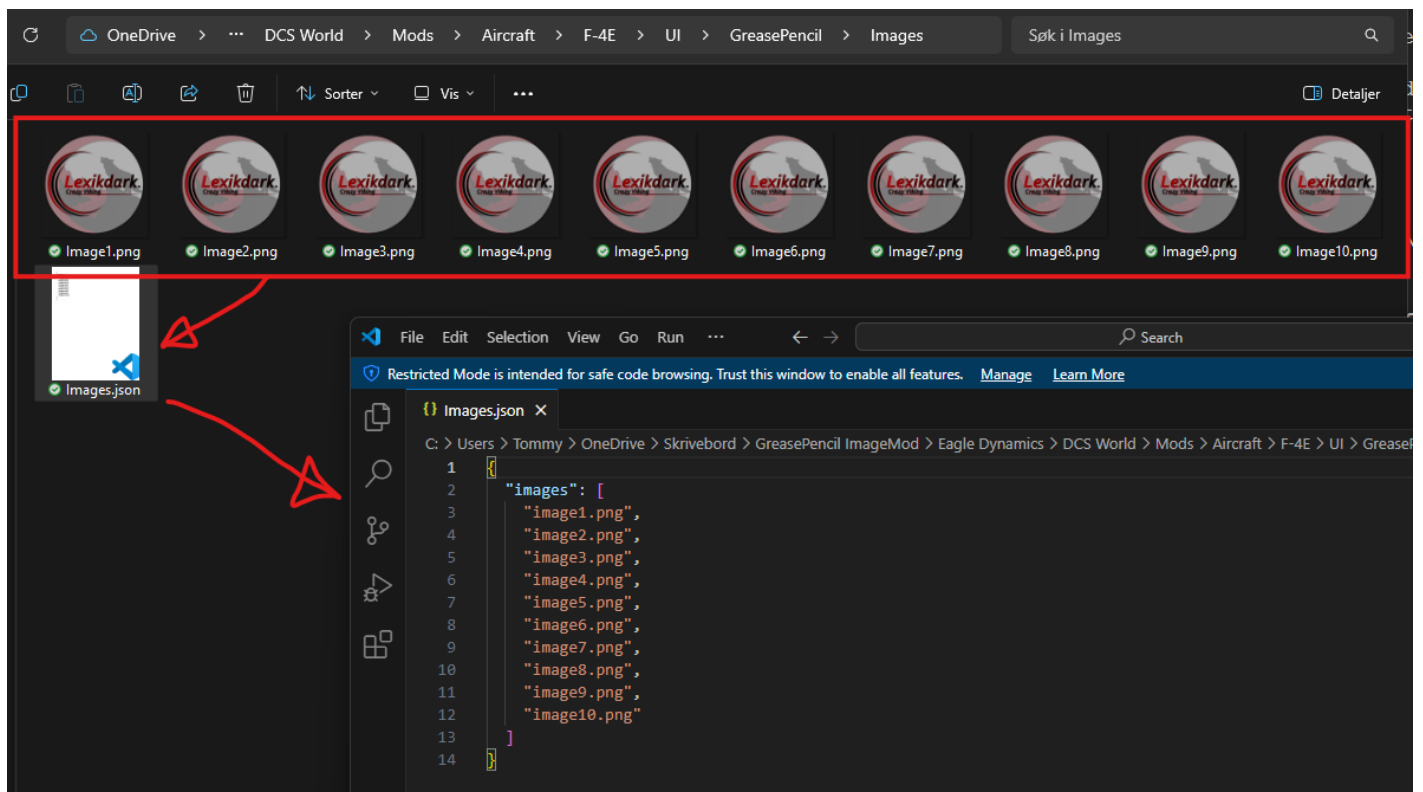
📁 **Navigate to:** `C:\Eagle Dynamics\DCS World\Mods\aircraft\F-4E\UI\GreasePencil`  
(Or where-ever your core DCS World files are located.)

This should correctly populate your files. If it doesn't, just go through the mod directory and place them manually inside the GreasePencil folder for your F-4E

## ◆ Customizing the Image List

📁 **Navigate to:** `C:\Eagle Dynamics\DCS World\Mods\aircraft\F-4E\UI\GreasePencil\Images`

- Replace images in the **Images folder** with your own images.
- Edit the **Images.json** file using Notepad or Notepad++ (or your preferred code editor of choice).
- **Either:**  
    **rename** the image files to match those listed in Images.json  
    or  
    **modify JSON file** to reference your new image names. (Or both)



◆ *SideNote: DCS **doesn't support drop-down lists well**, so this mod uses buttons to populate based on how many image files appear in Images.json.*

## !!! Mod Features & How to Use Them !!!

### Image Selection Buttons

- Clicking an image button **places** it onto the canopy glass.
- You can **adjust its size & opacity** before finalizing placement.
- Clicking the **same button again** will **deselect the placed image**.

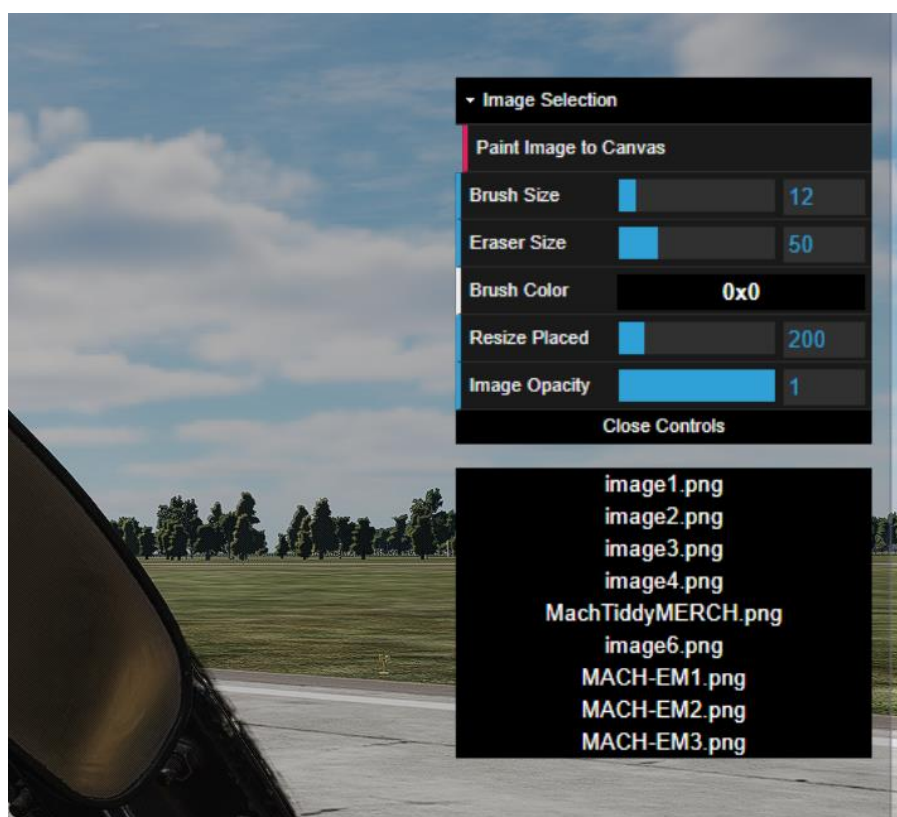
### Image Size Slider

- Adjust the image size **point by point** for precise scaling.
- Useful for **fitting images correctly onto the canopy glass**.

### □Opacity Slider

- Allows adjustment in **0.1 increments** for fine-tuned transparency.
- Helps make annotations more visible or subtle as needed.

### Painting an Image onto the Canopy (Permanent Placement)



- 1** Select an **image** using the buttons below the Brush-toolbox.
- 2** Adjust its **size, opacity, and positioning** to your preference.
- 3** Click "**Paint Image To Canvas**" (*above the Brush Size slider*).  
The image is turned into a brush-stroke and becomes **permanent** where you placed the image on the canvas, it will then stay on the canopy/Canvas until you erase it with the grease pencil eraser. (mine is the Middle-Mouse button to use the Eraser). It is then **locked** in place, meaning it can't be moved or changed after "painting" it on the canvas.

## !!! Changing or Removing an Image before it's "painted" onto the Canvas !!!

- Before painting: Click another image button to replace the selection.
- To remove a placed image: Click the same image button again, and it will disappear.
- Uninstalling the Mod & Restoring Original Files

Since this mod edits **app.js, styles.css & index.html**, removing it requires restoring the original versions of these files.

### **How to Restore Original Files**

- **Make a backup copy** of app.js, styles.css, and index.html before installing the mod.
  - If you want to remove the mod, **replace those files with your backups**.
  - Delete the **Images folder** from GreasePencil, and the mod will be fully removed.
- ♦ **Alternative:** You can **repair your DCS installation**, which will restore the original files automatically and keep everything up to date: Just make sure that the mod-files don't remain in the files: easiest way being to just DELETE the GreasePencil folder and then Repair it.

***This Grease Pencil/Picture MOD IS MADE BY: Lexik"ROBOT"Dark  
(using a mix of Copilot and ChatGPT AI)***

All rights will always be reserved to HeatBlur Simulations, Since they made and own the original Jester 2.0 feature.

All I did was modify the ever living shit out of their original files to make this work.

As such you should always make sure to have a backup of the original Files somewhere. So that if something breaks. Or they decide to add this as a standard feature. You don't have duplicate or error riddled files if something breaks.