



**GRUMMAN G-44 WIDGEON
PILOT MANUAL**



VISIT FLYSIMWARE.COM AND CHECK THE PRODUCT PAGE FOR THE LATEST UPDATES OR PATCHES!

WEIGHT DISTRUBUTION:

Passengers and luggage are set to “LIGHT LOAD” as default. Use the payload editor to change the total payload.

FUEL AND PAYLOAD:

-
- Left Fuel Tank = 55 LBS
- Right Fuel Tank = 55 LBS
-
- TOTAL FUEL = 110 LBS
-
- Pilot = 170 LBS
- Co-Pilot = 170 LBS
- Pass1 Row 1 = 0 LBS
- Pass2 Row1 = 0 LBS
- Pass3 Row 2 = 0 LBS
- Pass4 Row 2 = 0 LBS
- Nose Luggage MAX = 0 LBS

- MAX GROSS WEIGHT = 4525 LBS
- EMPTY WEIGHT = 2665 LBS

**THIS MANUAL IS FOR MSFS 2020.
NOT TO BE USED FOR ANY REAL WORLD AIRCRAFT
DOES NOT, AND IS NOT INTENDED TO COMPLY WITH SFAR 108**



FLYSIMWARE DESCRIPTION

Almost all parts animated throughout the interior model. With custom coding we have accurate systems down to the smallest details. Includes a clipboard on the copilots seat for parking modes and realism settings. There is an interactive checklist that can help learn how the systems works and what needs to be set for each step of the flight. With full PBR and Wwise sounds this bird will feel like the real thing.

To learn more about our model please visit our main website product page for the latest manuals and tutorial videos.



GRUMMAN G-44 PILOT MANUAL



TABLE OF CONTENTS:

- **1. INSTALLATION**
- **2. MOUSE CONTROL & TOOL TIPS**
- **3. TABLETS OR CLIPBOARDS**
- **4. GRUMMAN G-44A SYSTEM**
- **5. ENGINE START INSTRUCTIONS**
- **6. UN-INSTALL PRODUCT**

TIPS:

Turning on land or water:

There is no water rudder so use the engine power and rudder to steer on water and toe brakes to turn on land.
Unlock tailwheel lock during ground taxi and lock for takeoff.



➤ 1. INSTALLATION

1. Double Click the (Aircraft logo) installer.
2. Have your registration code copied into your mouse(clipboard). This will auto type your registration code for you.
3. This installer will auto find MSFS 2020 for the store edition or steam edition no matter where it is! If the installer fails to locate the sim contact Flysimware as we have a Avsim post explaining how to fix the directory issue.

Now start sim and locate the aircraft in your hangar.



GRUMMAN G-44 PILOT MANUAL



➤ 2. MOUSE CONTROL & TOOL TIPS

TOOL TIPS

Almost all switches and levers are mouse controlled. Tool tips are added to a few switches, knobs and levers, for information that helps to tune or position with accuracy. Tool tips can be turned "ON" or "OFF"! Located in settings.

MOUSE CONTROL

Here is a chart showing all functions.

Toggle switches can be left clicked.

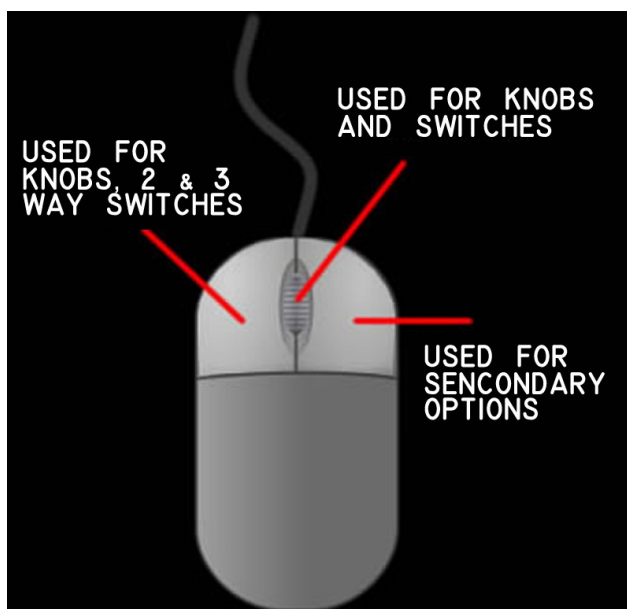
3 or more position switches will show an arrow to move the switch that direction when left clicked.

Knobs can be tuned by rolling the mouse wheel or clicking based on the side the mouse is located. Knobs that can be pressed or pulled can be done by placing the mouse near the center of the knob followed by a left click.

-secondary options-

INTERACTION LEGACY MODE: Left click to enable the secondary option.

INTERACTION LOCK MODE: Left clicking will show a secondary option. Right click while holding the left button down to enable the secondary option.



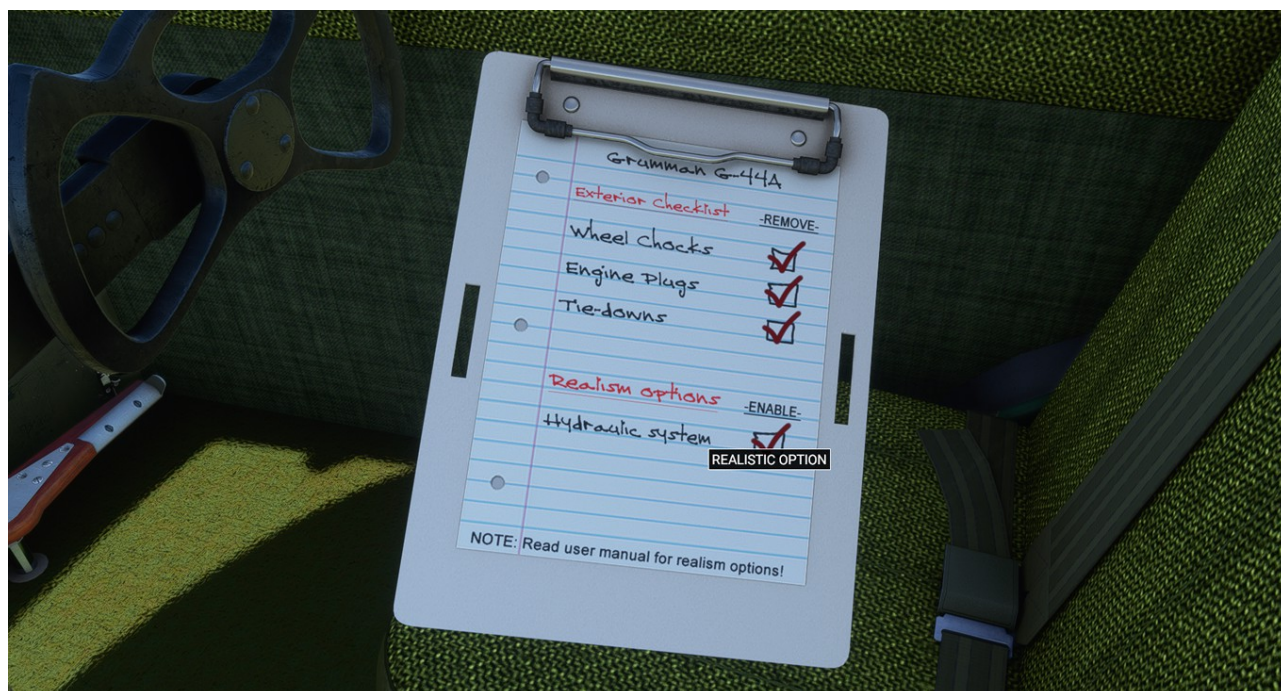


GRUMMAN G-44 PILOT MANUAL



➤ 3. TABLETS OR CLIPBOARDS

➔ Click the top of the clipboard located on the copilot seat to raise up to get a better view. The clipboard has options for parking modes and realism options. There is no tablet in this product.



Checking the parked modes removes the visuals from the models.

Enabling the realistic hydraulic system will allow the gear and flap levers to work like the actual levers are suppose to work. If you use any hardware for the gear then this option will not work for you as the hardware always keeps the gear raised or lowered. Hardware for the flaps we found seems to be ok. So if you plan to use this option you must disable the gear assignment for you hardware. Most users will create a profile just for this bird so you do not have to constantly change the assignments.

Here is how the hydraulic system works when enabled.

You must hold the lever up or down and keep holding until you want to stop moving the gear or flaps. Basically moving the lever opens the valve and releasing the lever closes the valve. When the lever is centered the hydraulic gauge indicator will read about 950 psi caused from back pressure. When the lever is up or down and gear or flaps are in transition the pressure reads about 100 psi. When the gear or flaps are fully retracted or extended and the valve is open the pressure reads 0 psi.



GRUMMAN G-44 PILOT MANUAL



There are gear and flap tabs next to the levers that are there so you can lock the levers up or down but this is only for an emergency situation. If there is a hydraulic failure (left engine is not running or the hydraulic pump fails) then this allows the pilot to free up a hand while pumping the manual hydraulic pump lever located on the left of the pilots seat. You MUST unlock the tabs after you are finished pumping so the valve is closed and the gear or flaps are secure.

Using the manual hydraulic pump lever takes about 24 pumps for the gear and 6 for the flaps. The tabs allow you to lock the levers up or down so you can raise or lower the gear or flaps. You may need to raise the gear for an emergency water landing.

To test the manual hydraulic pump lever you can simply shut down the left engine as this is the only engine that has a hydraulic pump.

NOTE: If you leave the gear partially up or down and not fully locked the sim only has 2 contact points so you may get undesired results when landing.



GRUMMAN G-44 PILOT MANUAL



➤ **5. GRUMMAN G-44A SYSTEM**

For videos and detailed instructions on how to fly this aircraft please visit the product page at Flysimware.com

For suggested speeds, see the overhead panel. Use the interactive checklist and let the copilot show you all the settings for each step of the flight.

A. Main panel

B. Upper front left panel

C. Upper front middle panel

D. Upper rear panel

E. Emergency gear pump and gear window



GRUMMAN G-44 PILOT MANUAL



A. Main panel



1. Radio directional finder
2. Autopilot functions
3. Airspeed indicator
4. Attitude indicator
5. Altitude indicator
6. Turn coordinator
7. Horizontal situation indicator
8. Vertical speed indicator
9. Emergency locator transmitter
10. Opens outside air vents
11. Master battery and avionics switches

12. Engine hours counter
13. Gyro suction indicator
14. L & R cylinder head temperature indicators
15. Gear annunciator lights
16. L & R manifold indicators
17. L & R engine RPM indicators
18. Chronometer
19. L oil temperature / L oil pressure / L fuel pressure
20. R oil temperature / R oil pressure / R fuel pressure
21. Outside air temperature indicator
22. AUDIO / GPS
23. Comm & NAV 2
24. DME
25. ADF
26. TRANSPONDER
27. L & R carburetor temperature indicators
28. L & R fuel indicators



GRUMMAN G-44 PILOT MANUAL

flysimware
SIMULATION SOFTWARE

B. Upper front left panel



1. L & R amperes meters
2. L & R fuel pumps switches
3. Regulator (NOT SIMULATED)
4. L & R alternator switches
5. Light switches
6. Pitot heat switches / Vent fan & ceiling fan switch
7. Panel light switches
8. L & R starter switches



GRUMMAN G-44 PILOT MANUAL

flysimware
SIMULATION SOFTWARE

C. Upper front middle panel



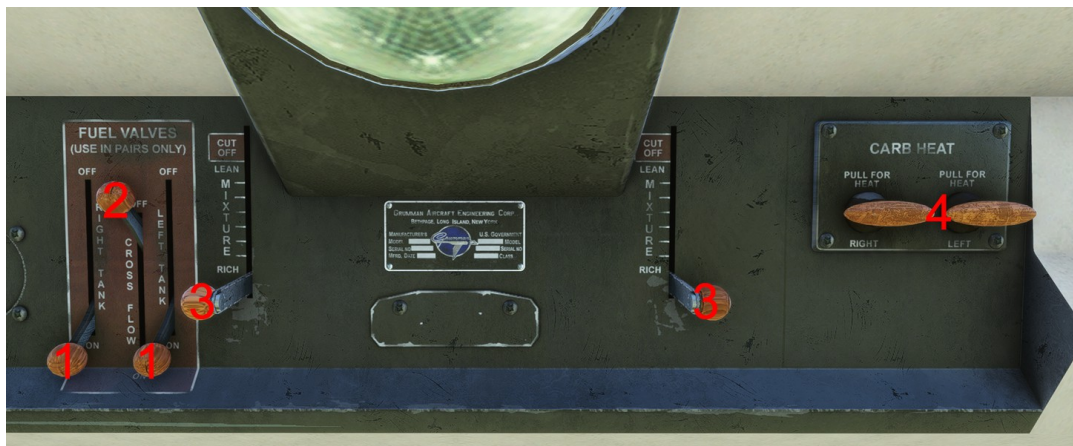
1. Tail wheel lock lever
2. Elevator trim lever & indicator
3. Landing gear lever & gear locks
4. L & R magnetos & magneto ground lever
5. Flaps lever & flap locks & indicator
6. Rudder trim lever & indicator
7. Hydraulic pressure indicator



GRUMMAN G-44 PILOT MANUAL

flysimware
SIMULATION SOFTWARE

D. Upper rear panel



1. L & R fuel lever valves
2. Crossfeed lever
3. L & R mixture levers
4. L & R carburetor heat valves



1. Gear viewing window (Use quick views for a pre aligned view)
2. Emergency hydraulic pump



➤ 6. ENGINE START INSTRUCTIONS

Open the checklist SHIFT + C and follow the checklist step by step for the right engine start. Use the copilot to help understand the procedure.



➤ 7. UN-INSTALL PRODUCT

Go to windows add/remove programs and look for Flysimware Grumman G44A Widgeon MSFS2020 store edition or Flysimware Grumman G44A Widgeon MSFS2020 steam edition and choose option to uninstall.

Installing and removing this product has "NO EFFECT" on your sim!