



***GRUMMAN G-44
WIDGEON
PILOT MANUAL***



GRUMMAN G-44 PILOT MANUAL



For detailed instructions on how to fly similar aircraft, see the Aircraft Information articles in the Learning Center. For standard procedures, see the Checklists tab. For suggested speeds, see the Reference page of the Knee-board. More functions can be performed using the control panel and aircraft options panel. **(Shift + 1)** or **(Shift + 2)**

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

DXT10 PREVIEW ON:

INTERIOR MODEL CAST SHADOWS

DXT10 PREVIEW OFF:

INTERIOR MODEL DOES NOT CAST SHADOWS

WEIGHT DISTRUBUTION:

Passengers and luggage are set to "LIGHT LOAD" as default. Under aircraft fuel and payload you can change loads and save your flight. For example "Grumman G-44A Loaded". Or use the live payload manager from the aircraft options panel (Shift + 2).

FUEL AND PAYLOAD:

- ➔ Left Fuel Tank = 60 LBS
- ➔ Right Fuel Tank = 60 LBS

- ➔ TOTAL FUEL = 120 LBS

- ➔ Pilot = 170 LBS
- ➔ Co-Pilot = 170 LBS
- ➔ Pass1 Row 1 = 170 LBS
- ➔ Pass2 Row1 = 170 LBS
- ➔ Pass3 Row 2 = 170 LBS
- ➔ Pass4 Row 2 = 170 LBS
- ➔ Nose Luggage MAX = 20 LBS
- ➔ Rear Luggage MAX = 600 LBS

THIS MANUAL IS FOR FSX AND P3D.
NOT TO BE USED FOR ANY REAL WORLD LEARJET 35A SERIES AIRCRAFT
DOES NOT, AND IS NOT INTENDED TO COMPLY WITH SFAR 108



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GENERAL INFORMATION

The Widgeon was originally designed for the civil market. It is smaller but otherwise similar to Grumman's earlier G-21 Goose, and was produced from 1941 to 1955. The aircraft was used during World War II as a small patrol and utility machine by the United States Navy, US Coast Guard and by the Royal Navy's Fleet Air Arm.

The first prototype flew in 1940, and the first production aircraft went to the United States Navy as an anti-submarine aircraft. In total, 276 were built by Grumman, including 176 for the military. During World War II, they served with the US Navy, Coast Guard, Civil Air Patrol and Army Air Force, as well as with the British Royal Navy, who gave it the service name Gosling.



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GENERAL

The cockpit of the Flysimware Grumman G-44A is designed to represent a fairly typical layout. Includes the GTN 530 GPS layout and a second layout if you own the GTN 750 GPS unit. Both layouts include Reality XP's weather radar but you must own this product to bring it to life.

FEATURES:

- ✓ **Real World operational with high quality specs**
- ✓ **100% shareable cockpit**
- ✓ **Exterior textures 4096 X 4096**
- ✓ **HD textures / World Reflections / Specular effects / AO effects**
- ✓ **Self shadowing effects for interior model (DX10 only)**
- ✓ **Custom coding for real World gauges and animations**
- ✓ **GTX330 TRANSPONDER / FLYSIMWARE GNS 530**
- ✓ **High quality animated pilots with optional settings**
- ✓ **Aircraft option panel allows you to change aircraft modes and pilots**
- ✓ **Service hangar to repair engines or failures**
- ✓ **Live payload manager**
- ✓ **Shockwave lights**
- ✓ **Custom windshield rain effects**



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FLYSIMWARE DESCRIPTION

Almost all parts animated throughout the interior model. With custom coding we have accurate systems down to the smallest details. We have included Flysimware's GNS 530. Includes a popup windows for a service hangar, aircraft options, startup procedures and a live payload manager. This is Flysimware's first model that was developed with 3DS MAX giving you full AO effects on all 3D parts. Flysimware keeps improving the quality and overall systems for each project.

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



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- **6. ENGINE START INSTRUCTIONS**
- **7. UN-INSTALL PRODUCT**
- **8. TESTING**

TIPS:

Turning during taxi on land or water:

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



➤ 1. INSTALLATION

Double Click the (Aircraft logo) installer.

Have your registration code copied into your mouse(clipboard). This will auto type your registration code for you. Type any name in the name box and leave the business name blank and click next.

This installer will auto find your FSX game no matter where it is! If it does not find your game, just go to our help page at Flysimware.com

Once you start FSX you will find our models located under Flysimware as the manufacturer in the FSX select aircraft page.



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➤ **2. MOUSE CONTROL & TOOL TIPS**

TOOL TIPS

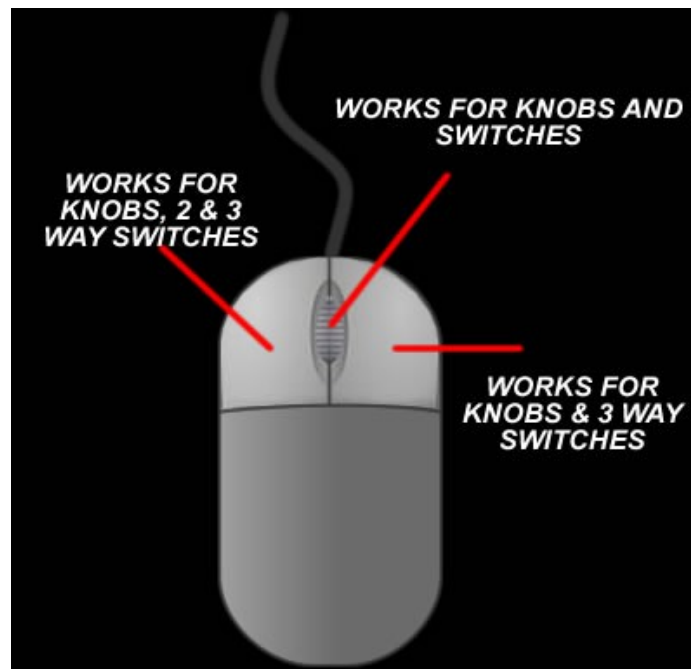
Almost all switches and levers are mouse controlled. Tool tips are added to a few switches, knobs and levers, for information that helps to tune or position with accuracy. Tool tips can be turned "ON" or "OFF"! Located in FSX aircraft settings page.

MOUSE CONTROL

If you hear a sound when clicking a switch that does not move try right clicking or using the mouse wheel. Here is a chart showing all functions.

Radio and GPS knobs can be tuned by rolling mouse wheel. Clicking is for pushing a knob.

The power knob for the GPS requires that you roll your mouse up to turn on and increase brightness controls.





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➤ **3. 2D PANELS**

- ➔ **SERVICE HANGER PANEL = (Shift + 1)**
- ➔ **AIRCRAFT OPTIONS PANEL = (Shift + 2)**
- ➔ **GPS PANEL = (Shift + 3)**
- ➔ **START PANEL = (Shift + 4)**
- ➔ **PAYLOAD PANEL = (Shift + 5)**



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➤ **4. AIRCRAFT MODES**

Using the Grumman G-44A hanger control panel or aircraft options panel you can change aircraft modes remove pilot or change pilot options and check that your using the start locks and fuel system correctly. All modes listed below.

AIRCRAFT OPTIONS:

LUGGAGE / WHEEL CHOCKS / ENGINE PLUGS & FLAGS / OPEN MAIN EXIT / ADD AND REMOVE PILOTS / ENGINE START INSTRUCTIONS

SERVICE HANGER:

CABIN-PANEL-ANCHOR LIGHTS / ALL SYSTEM OFF OR READY TO START / REFUEL / MAP / ATC / 2D GPS / KNEE-BOARD / AIRCRAFT SPECS



➤ 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 reference page of the Knee-board. The knee-board has step by step checklist procedures.

Open your knee-board located in our service hanger control panel. **(Shift + 1)** Then look for the logo located near the bottom right. Or use the games option to open knee-board window.

A. Main panel

B. Upper front left panel

C. Upper front middle panel

D. Upper rear panel

E. Emergency gear pump and gear window



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A. Main panel



1. Radio directional finder
2. Airspeed indicator
3. Attitude indicator
4. Altitude indicator
5. Turn coordinator
6. Horizontal situation indicator
7. Vertical speed indicator
8. Emergency locator transmitter
9. Opens outside air vents
10. Master battery and avionics switches
11. Engine hours counter
12. Gyro suction indicator
13. L & R cylinder head temperature indicators

- 14.** Marker beacon lights
- 15.** L & R manifold indicators
- 16.** L & R engine RPM indicators
- 17.** Chronometer
- 18.** L & R oil temperature / L & R oil pressure / L & R fuel pressure
- 19.** Outside air temperature indicator
- 20.** AUDIO / GPS / Comm & NAV 2 / DME / ADF / TRANSPONDER
- 21.** L & R carburetor temperature indicators
- 22.** L & R fuel indicators



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B. Upper front left panel



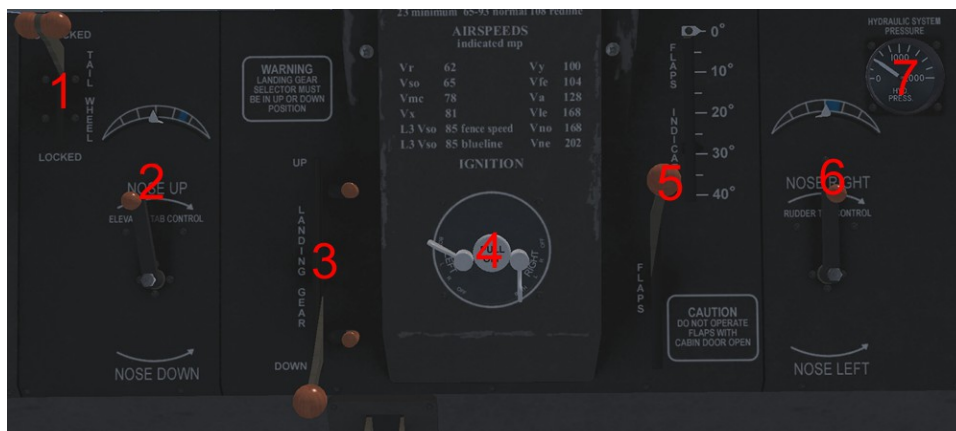
1. L & R amperes meters
2. L & R fuel pumps switches
3. Regulator (NOT SIMULATED)
4. L & R alternator switches
5. Light switches
6. Pitot heat switches / Vent fan & ceiling fan switch
7. Panel light switches
8. L & R starter switches



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C. Upper front middle panel



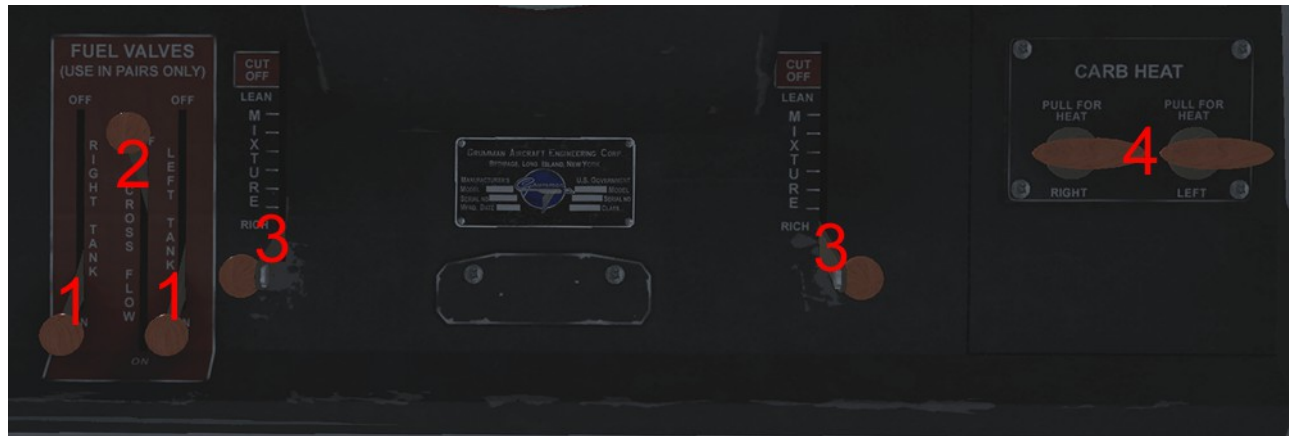
1. Tail wheel lock lever
2. Elevator trim lever & indicator
3. Landing gear lever
4. L & R magnetos / magneto ground lever
5. Flaps lever & indicator
6. Rudder trim lever & indicator
7. Hydraulic pressure indicator



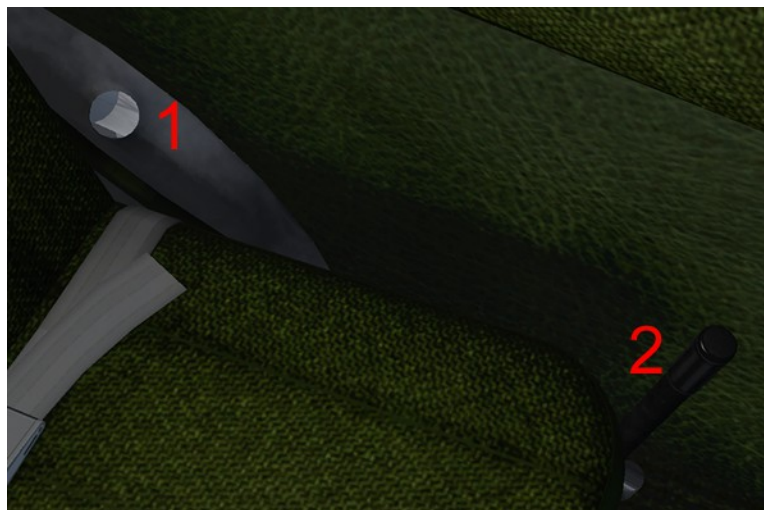
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D. Upper rear panel



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



1. Gear viewing window (Use cockpit views window for a pre aligned view)
2. Emergency gear pump (Pump 24 times and check gear view window for full gear down)



➤ 6. ENGINE START INSTRUCTIONS

ENGINE START INSTRUCTIONS

1. Carburetor air control on full cold. (Push T-handle in)
2. Fuel valves open.
3. Set master battery switch to ON position.
4. Set the mixture control to FULL RICH position.
5. Throttles partly open.
6. Push in the master ignition switch marked PULL-OFF.
7. Magnetos set to the left position.
8. Right starter switch up.
9. Switch corresponding magneto to both.
10. Bring corresponding throttle to idle.
11. Set right alternator switch up.
12. Repeat steps 8 thru 11 for the left engine.

START SWITCHES:

START SWITCHES: Located at the left of the upper control panel.
SWITCH UP - STARTS CORRESPONDING ENGINE (RETURN SWITCH)

MAGNETOS:

MAGNETOS: Two switches at the center of the upper control panel.
PULL OFF - GROUNDS BOTH MAGNETOS
MAGNETO POSITIONS - OFF / RIGHT / LEFT / BOTH

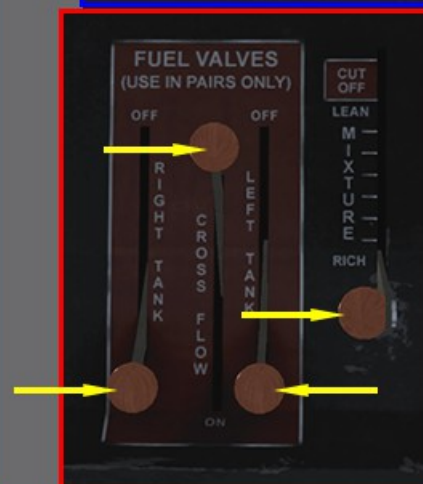
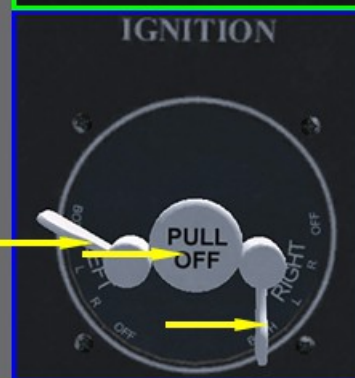
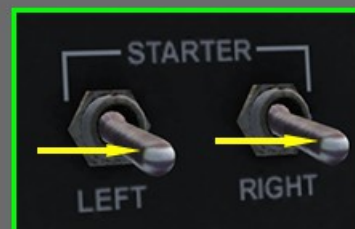
FUEL VALVES / MIXTURE / CARB HEAT:

FUEL VALVES: Two levers at the left of the upper rear control panel.
LEVER FULL UP - FUEL VALVE CLOSED
LEVER FULL DOWN - FUEL VALVE OPEN

CROSS FLOW: lever at the left of the upper rear control panel.
LEVER FULL UP - CROSS FLOW CLOSED
LEVER FULL DOWN - CROSS FLOW OPEN

MIXTURE: Two levers at the center of the upper rear control panel.
IDLE FUEL CUT-OFF Sectors painted red.
LEVERS FULL UP - IDLE FUEL CUT-OFF
LEVERS UP - LEAN POSITION
LEVERS DOWN - RICH POSITION

CARB HEAT: Two T-handles at the right of the upper rear control panel.
T-HANDLES IN - FULL COLD
T-HANDLES OUT - FULL HEATED



These instructions can be loaded from the aircraft option panel so you can get help in the sim.



➤ 7. UN-INSTALL PRODUCT

Go to start, all programs and look for the folder called "Flysimware". Inside is your uninstall exe called "Flysimware's GRUMMAN G-44A". Or go to the add and remove programs from windows control panel.

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



➤ 8. TESTING

Tested on Microsoft Flight Simulator FSX Acceleration
and requires SP2 Update or Acceleration update to work properly with all the newest features included for
Microsoft Flight Simulator X.

Installs for FSX / FSX:SE / Prepar3D All VERSIONS

Developer: Flysimware.com