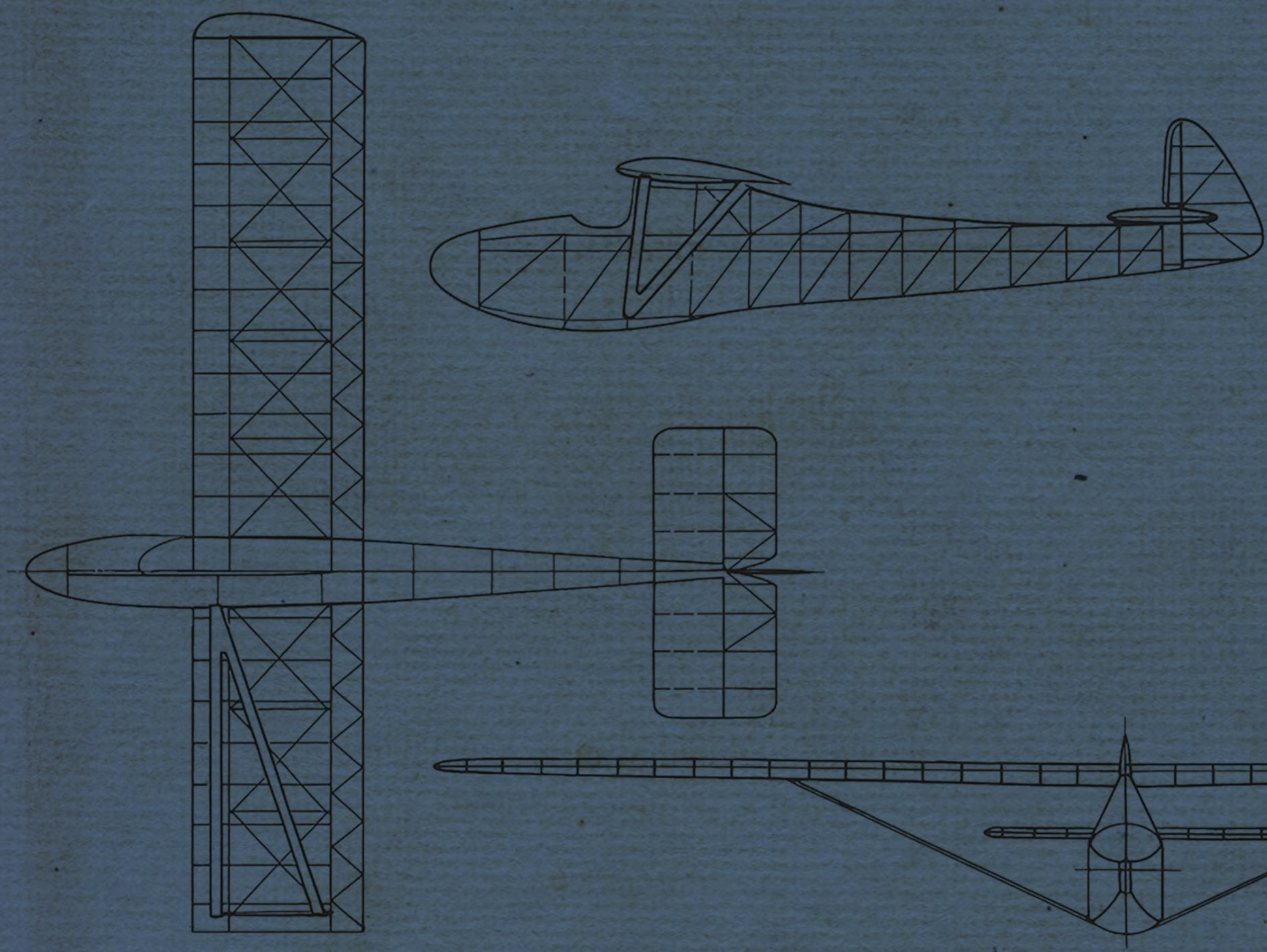
£5

PILOT'S OPERATING HANDBOOK

Colditz Cock



RARA-AVIS SIMS

ASOBO STUDIO

Microsoft Flight Simulator 2024

XBOX GAME STUDIOS

INTRODUCTION

Rara Avis means `Rare Bird’ in Latin. The name was chosen because many of the subjects are not mainstream, such as F15’s or Spitfires. They are less well known, but still appealing subjects.

Rara-Avis Sims hope to bring you high quality models which can be purchased for your use in Microsoft Flight Simulator 2024.

IMPORTANT INFORMATION

This product is intended for entertainment purposes only and should not be used for real world flight training.

No replication, reverse engineering of this software, either in whole or in part, is permitted in ANY form without the express written permission of Rara-Avis Sims. Any enquiries regarding commercial, military or academic use of this software should be directed to rara-avis_sim@outlook.com

By installing this software, you are hereby agreeing to the above terms and conditions.

It is recommended that the flight model within the simulator is set to modern to get the best flight dynamics from all planes.

KNOW THE COLDITZ COCK

The Colditz Cock was a secret glider built by British prisoners of war during World War II in the attic of Colditz Castle (Oflag IV-C), a high-security German POW camp for Allied officers. Ingeniously constructed from scavenged materials like floorboards, bed slats, and bedsheets, the glider was designed to help two prisoners escape from the castle roof, using a launch rail powered by a falling bathtub full of concrete. The war ended before the glider was launched, but its construction remains one of the most remarkable feats of engineering and ingenuity in captivity.

General characteristics

Crew: 2
Length: 20 ft 0 in (6.1 m)
Wingspan: 32 ft 0 in (9.75 m)
Aspect ratio: 6.4
Airfoil: Clark Y-H
Empty weight: 240 lb (108.86 kg)
Gross weight: 560 lb (254.02 kg)

Performance (Estimated)

Stall speed: 31 mph (50 km/h, 27 kn)
Lift-to-drag: 12:1
Wing loading: 3.45 lb/sq ft (16.84 kg/m2)

PRODUCT FEATURES

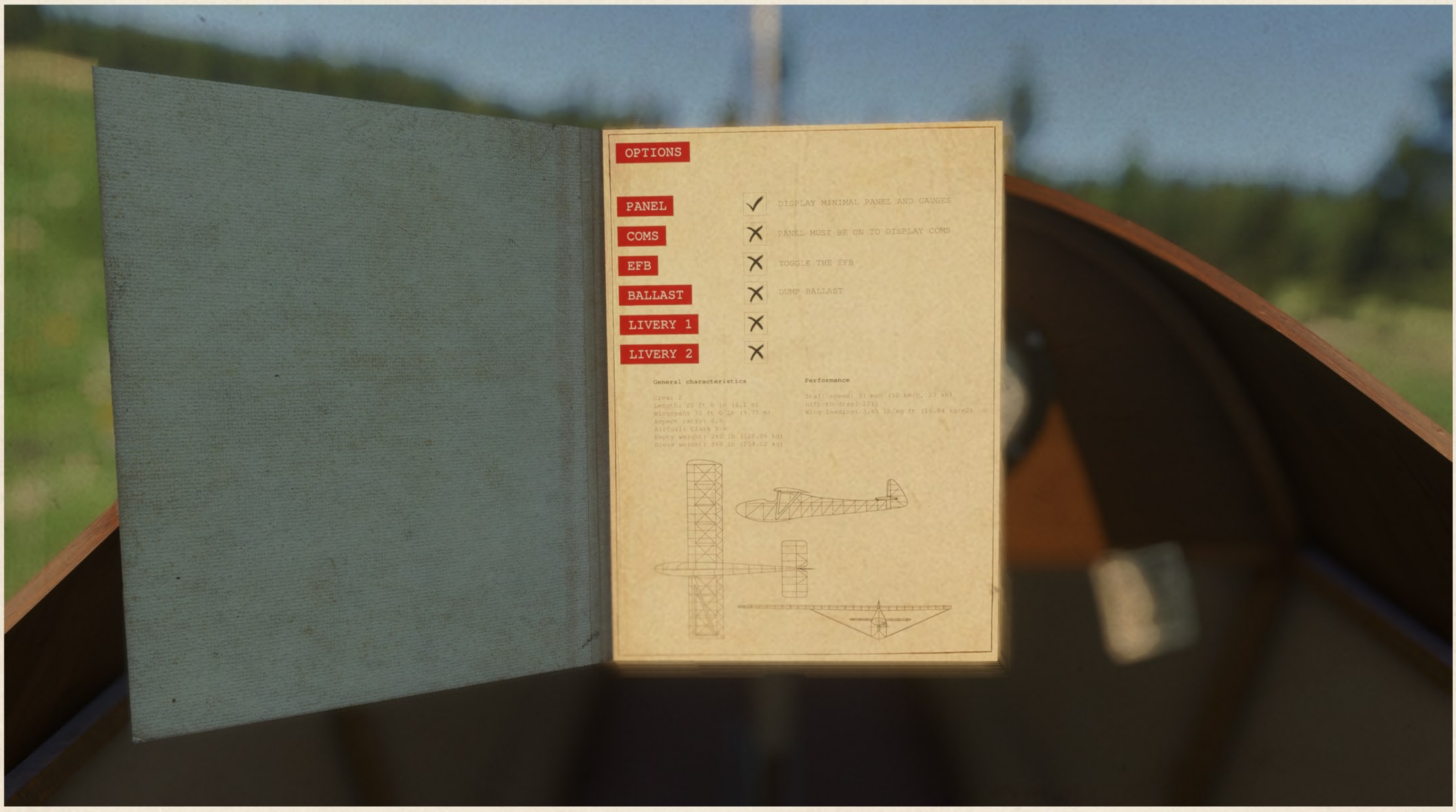
. For Microsoft Flight Simulator 2024 only
. PBR textures
. Two variants, Original & Reproduction
. Detailed 3D model
. Uses MSFS 2024 avatar pilots
. 3D gauges
. Custom sounds
. Custom camera positions
. 10 liveries, with other livery options in the logbook *
. Winch launch **
. Custom animations
. Logbook with options
. Custom decals
. Tow cable release mechanism
. Ballast release system
. Custom checklist
. Pre flight inspection (with togglable pitot cover & tie-downs)
. EFB (Electronic Flight Bag)
. Optional panel

Liveries and Pitot are only available on the reproduction variant.

** Tow plane is available, but because of the drag caused by the skids, the default tow planes cannot get up enough speed to launch the glider. It is recommended to use winch launch, alternatively use the Aeroplane Heaven C-47 DLC

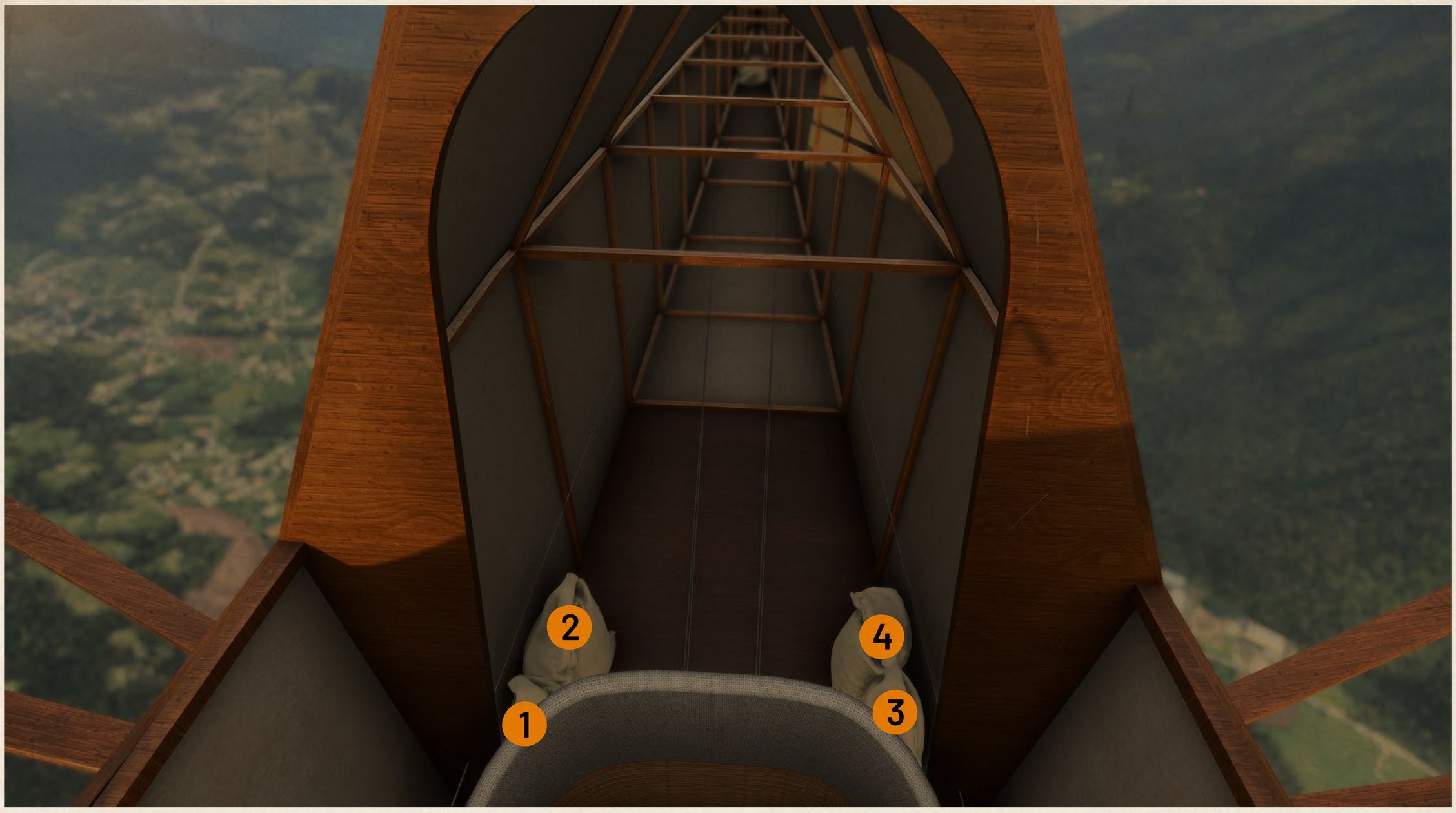
COCKPIT ORIENTATION 1

1. Radio
2. Airspeed (MPH)
3. Altimeter
4. Transponder
5. Compass
6. Photo (toggles the EFB)
7. Winch release



8. Toggle Panel
9. Toggle COMS
10. Toggle EFB
11. Release ballast
12. Toggle livery 1
13. Toggle livery 2

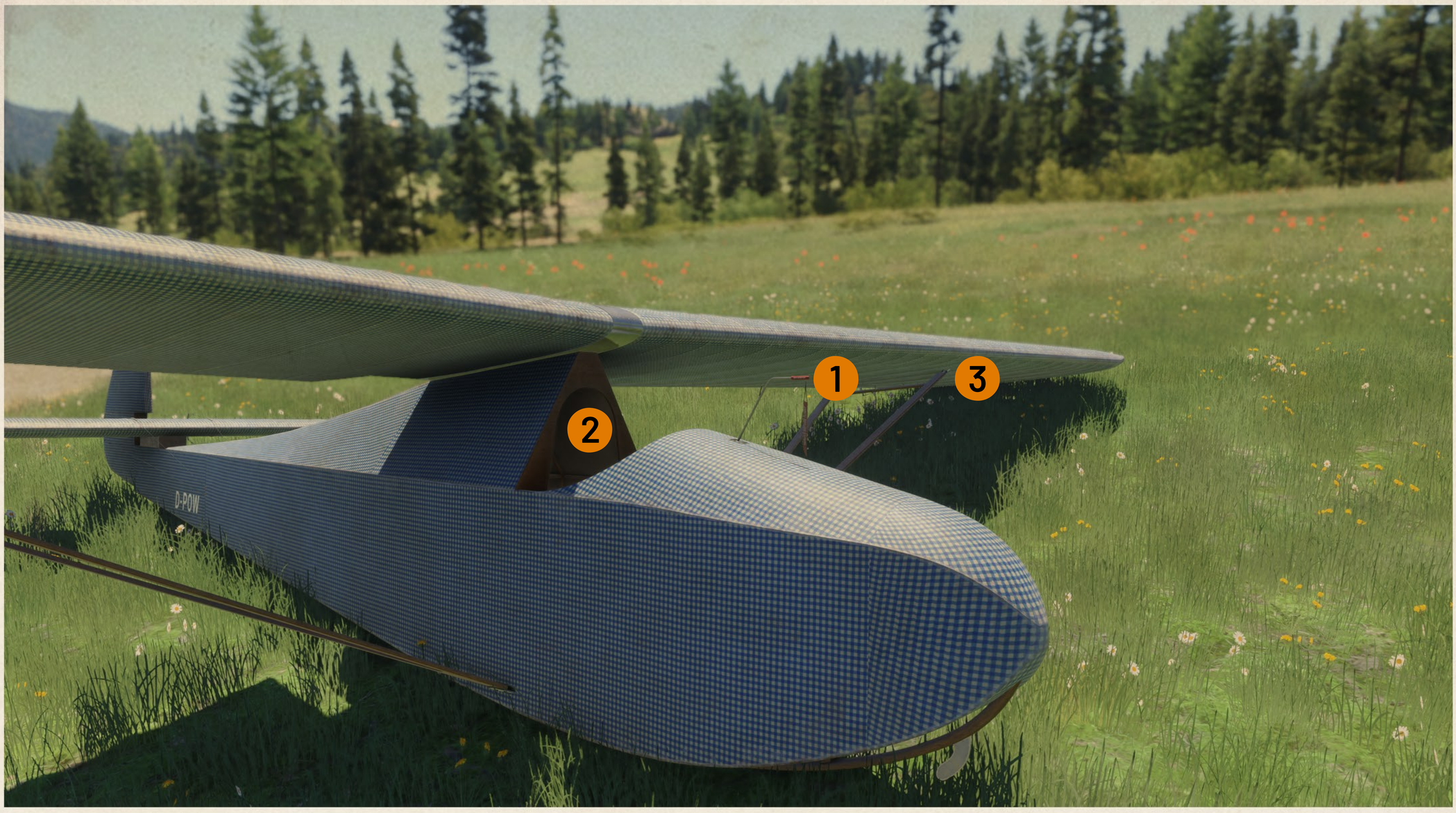
COCKPIT ORIENTATION 2



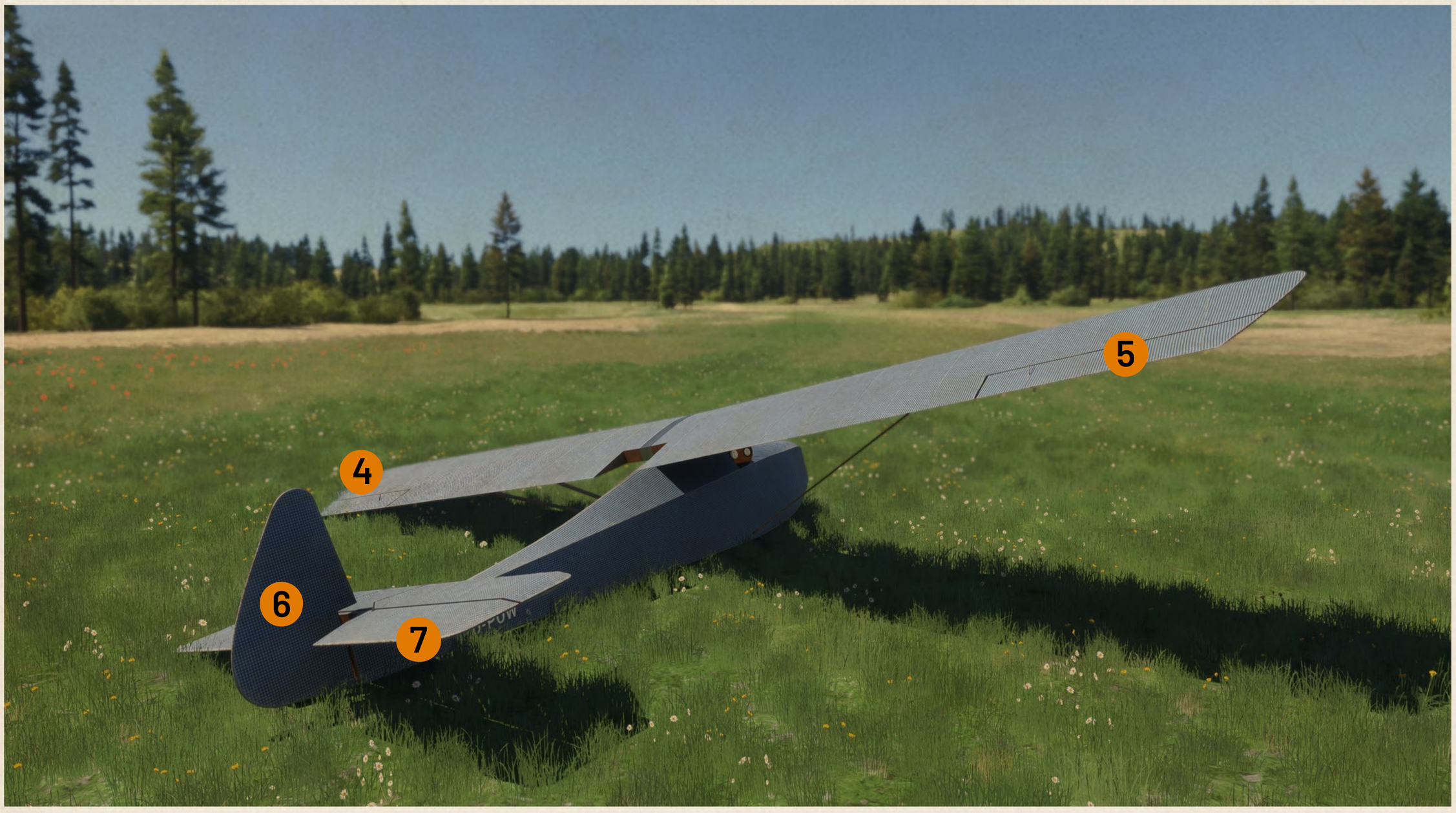
1. Release ballast No1
2. Release ballast No2
3. Release ballast No3
4. Release ballast No4

5. Logbook
6. Exit aircraft

EXTERNAL ORIENTATION



1. Add or remove pitot cover
2. Enter aircraft
3. Tie-downs



4. Check ailerons
5. Check ailerons
6. Check rudder
7. Check elevator

CREDITS

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3d model
Textures
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Coding
Flight dynamics

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Testing

Support

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