

Flight Simulation Add-on Kit
Configuration #6
Centered Flight Stick Lower Mount Bracket
Assembly Manual
And
Add-on Accessories



Assembly instruction manuals available at:

V4.4 102924

<http://bit.ly/ow-manuals>

by **SimFab[®]**.com

WARNINGS:



Proceed with caution and extra attention when warning signs are present during installation instructions manual.



WARNING

Choking hazard, small parts. Not for children under 5 years old.

A circular prohibition sign with a red border. Inside the circle is a stylized drawing of a child's head with a sad expression. A diagonal red line from the top-left corner to the bottom-right corner of the circle indicates that children under 5 years old are prohibited from using the product.

WARNING

Keep hands and fingers clear of pinching points, and hinging metal parts.

An illustration showing a hand being pinched between two dark, curved metal hinge blades. A vertical arrow points downwards from the hinge blades towards the hand, indicating the direction of pinching force.

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If your item is damaged, defective or missing parts, please contact us first directly at Email: info@SimFab.com or

Toll Free: **1-888-299-2746**

As the manufacturer, our knowledge of your new product ensures that we will be able to assist you promptly and accurately.

For invoices and other price information, please refer to your market place account for more details. Alternatively, you can always email us at info@SimFab.com

Explore the Ultimate in Simulation with SimFab: Where Innovation Meets Immersion

At SimFab, we're redefining the world of simulation with our cutting-edge Modular Racing and Flight Sim Concepts and Designs. Dive into an unparalleled realm of fidelity, realism, and immersion with our bespoke cockpits, meticulously crafted to mirror the intricate layouts of real aircraft and race cars.

We prioritize your comfort, offering modular, fully compatible setups that adapt seamlessly to all major brands and control makers. Starting with affordable yet uncompromised quality base models, our products cater to both novice pilots eager to explore flight simulation and seasoned racers seeking upgradeable, interchangeable designs for a tailored experience.

Join us on a journey where every detail is designed with precision, ensuring a simulation experience that's as thrilling as it is authentic.



SimFab introduces several base models as follows:

- Combat sim modular flight cockpit, **DCS World edition**
- General aviation modular flight cockpit, **Trainer edition**
- Civil aviation modular cockpit, **MSFS edition**
- Civil, combat and space sim modular cockpit, **Hybrid edition**
- Civil or combat sim modular cockpit, **Rotor-craft edition**



DCS edition

Base package combines several flight sim add-on modules. For compatibility refer to flight sim add-on kit configurations #2, #4, #6

The SimFab modular flight sim trainer station is a state-of-the-art training system designed to optimize cognitive memory and provide full compatibility with high-end flight simulation controls. It offers precise user adjustment options and the ability to hot swap between panels and controls for a customizable and efficient training experience.



Trainer edition



MSFS edition

Base package combines several flight sim add-on modules. For compatibility refer to flight sim add-on kit configurations #4, #5



Hybrid edition

Base package combines several flight sim add-on modules. For compatibility refer to flight sim add-on kit configuration #1

Low frequency tactile transducer (bass shaker) universal bracket

Bring your racing sim experience to another level by adding a low frequency tactile transducer (bass shaker) to your SimFab rig. Bass shaker mount bracket is designed to provide universal fit for most bass shakers on the market such as all models ButtKicker, AuraSound or DaytonAudio or other brands.

Easy mount on either corner of seat frame.

Solid metal to metal connection for optimum vibration transfer.

Optional, install a pair of bass shakers for stereo effect on both sides of seat frame.

Optional, install shaker brackets at back of the frame. Install rolling wheels to shaker brackets.

SimFab

Universal Bracket
for Bass Shaker (Single)



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<https://bit.ly/simfabshaker>



4 Point Seat Harness



SimFab
Racing and Flight
Simulation Cockpit Four
Point Harness



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<https://bit.ly/simfab4harness>



- Add immersion into the Virtual Reality
- Available in black, red, blue, orange, green, yellow and camo
- Easy release cam lock buckle
- Soft pads and mounting hardware included

Thrustmaster TSSH Sparco HandBrake Mode Mounting Bracket



**Dual Sparco Handbrake With Sequential
Shifter Combo Mounting Plate**



Mounting bracket kit for 14/64 bit USB generic handbrake

Generic handbrake is inexpensive handbrake offered by various vendors on Amazon.com or other marketplaces.

Handbrake and bracket work in combination with any major brand manual shifter: Logitech, Thrustmaster, Fanatec

 Bracket fits only the type handbrake as shown.



 Using seat lift kit in flight sim setup is highly recommended for optimum flight pit seating position.

SimFab

DCS Flight Sim Modular Cockpit



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<https://bit.ly/simfabdcsc>



SimFab

MSFS Flight Sim Modular Cockpit



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<https://bit.ly/simfabmsfs>

Flight Sim add-on configuration #3, centered stick standard mount bracket. Requires either configuration #1 or Configuration #2.

Centered stick standard mount bracket provides quick and convenient conversion from racing wheel to flight stick by sharing same steering post. While config. #3 can be used in combination with either config. #1 or #3 we recommend it for #1 where stick base height adjustment is not necessary below knee level.



Configuration #1 + #3
Thrustmaster T.Flight



Configuration #3

SimFab
Flight Sim Configuration
#3 HOTAS Add-on Stick
Center Bracket Kit



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<https://bit.ly/simfabhotascenterstick>



Configuration #2 + #3
Thrustmaster Warthog

Flight Sim add-on configuration #4, rudder pedals plate.

Configuration #4 consists of dedicated rudder pedal plate and shaft connected to seat frame. Rudder pedals are optional for lower end flight sticks within configuration #1 family, with built in yaw movement by twisting flight stick grip. Rudder pedal plate is required with higher end flight controls within configuration #2 family where rudder pedals are used for yaw movement and ground braking. Rudder pedal plate is pre-drilled to accept all rudder pedals hard mounted. Included in the package is various mounting hardware compatible with the following rudder pedals:

1. Thrustmaster TFPY
2. Thrustmaster TPR
3. Logitech Pro Flight
4. CH Products
5. VirPil, MFG Crosswind
6. VKB
7. Slaw device

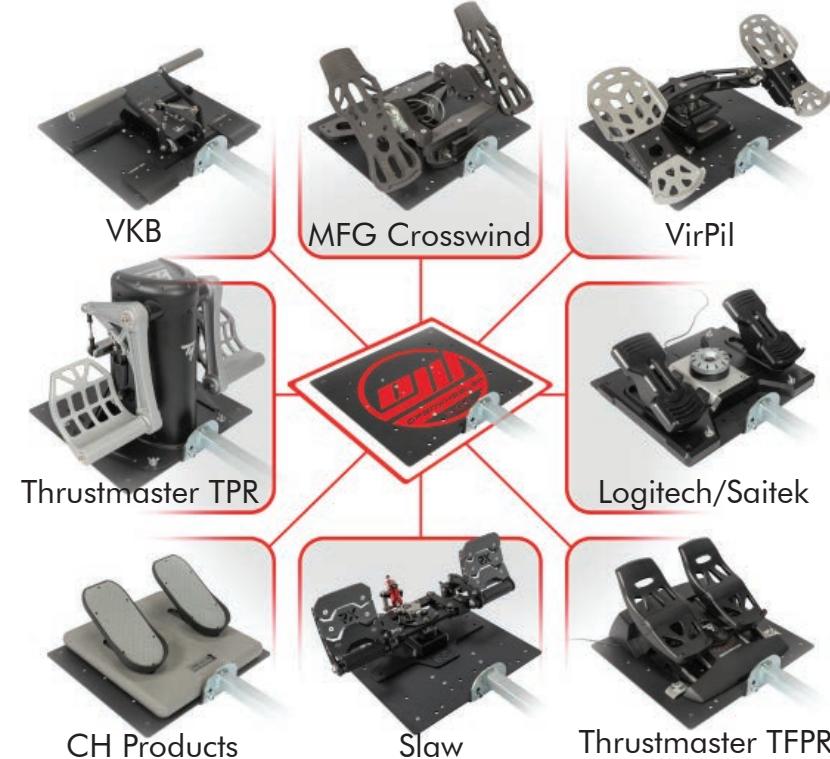
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Flight Sim Configuration
#4 HOTAS Add-on
Rudder Pedal Plate Kit



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<https://bit.ly/simfabrudderplate>



Flight Sim add-on configuration #5, general, civil and commercial aviation simulation package.

Configuration #5 consists of rudder pedal plate (config. #4), mounting brackets and adapter plates for various yokes and throttle quadrants. Our proprietary design of how controls are being mounted unifies adapter plates for all leading brands yokes and throttle quadrants with maximum rigidity and leg clearance.

Configuration #5 is compatible with the following yokes and throttle quadrants:

1. Honeycomb Alpha yoke and Bravo throttle quadrant
2. Turtle Beach Velocity One yoke and throttle quadrant
3. Logitech/Saitek yoke and single/dual throttle quadrant with optional Flight Velocity Trim Wheel
4. CH Products yoke and throttle quadrant

⚠ Thrustmaster TCA yoke and single/dual quadrant Boeing edition requires separate kit.

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General & Commercial Aviation

<https://bit.ly/simfabcommers>

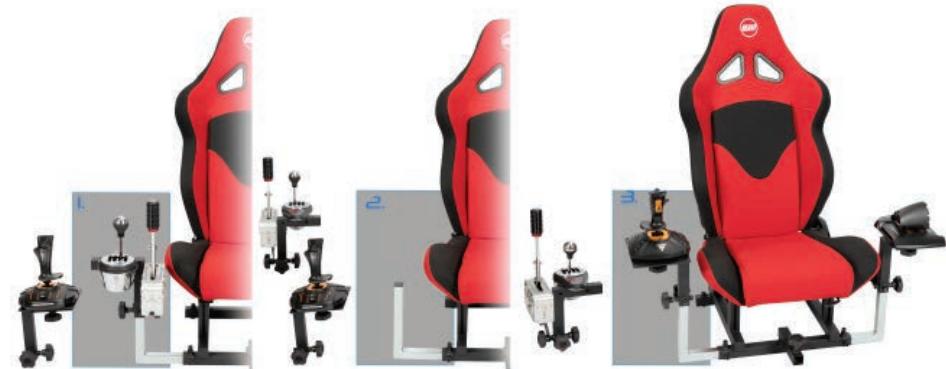


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Transition and hot swap between sim racing controls and flight sim controls.

Hot swap side controls when using flight sim configurations #1 by releasing quick connect knobs holding upper L bracket with each control permanently mounted on its designated upper L bracket.



Hot swap entire front chassis between sim racing and flight sim when using center mounted stick and rudder pedals plate

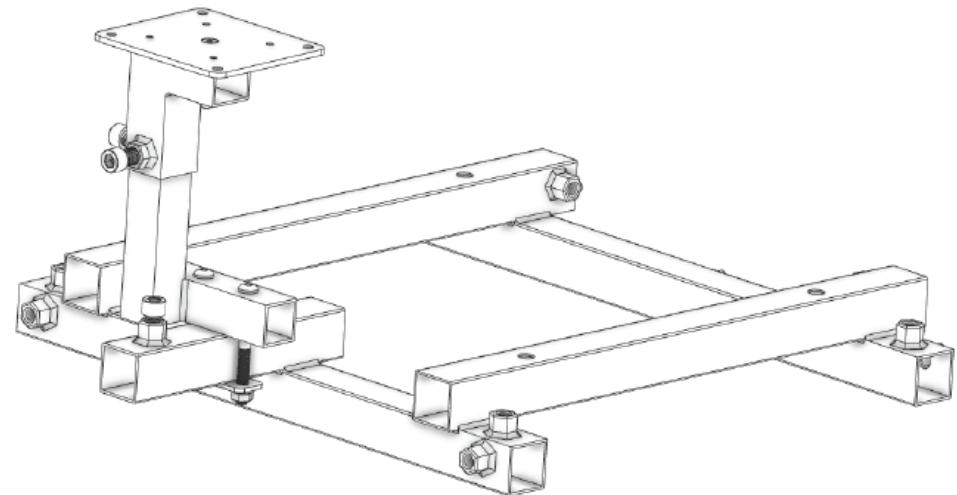
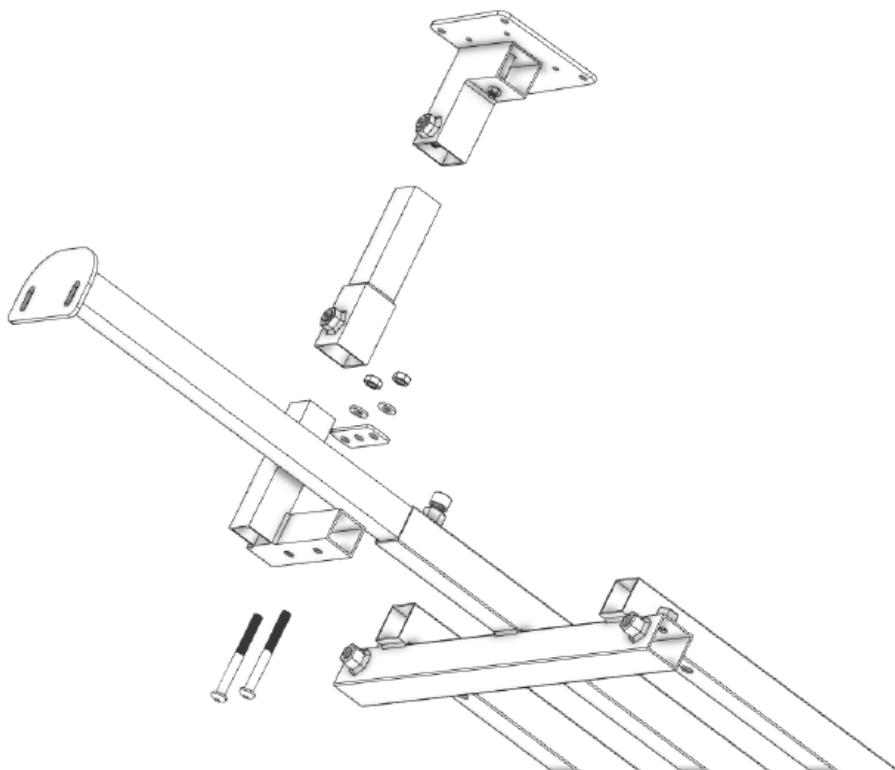
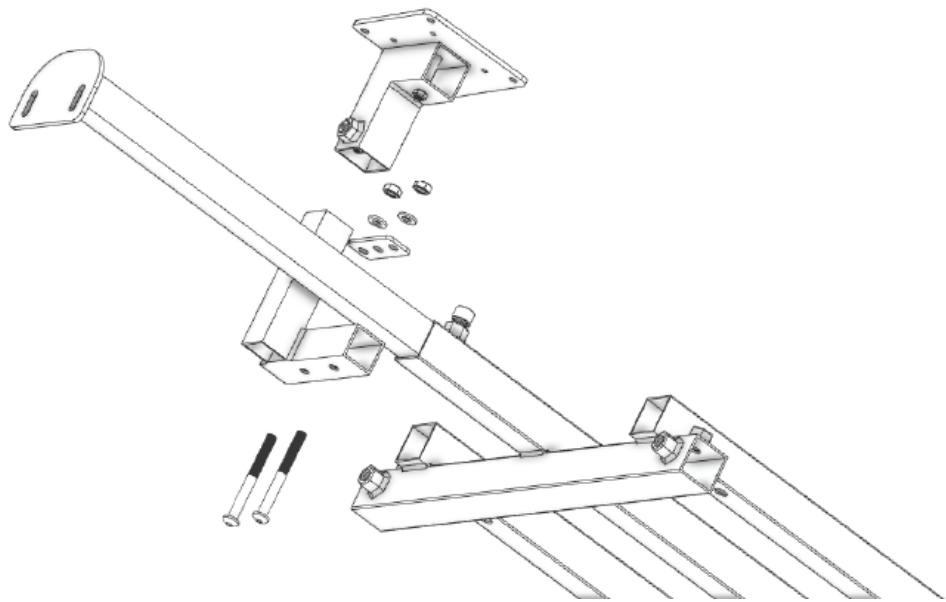


Introduction

Centered stick lower mount bracket is dedicated to the following brands flight sticks with removable grip and ability to add grip extension:
Thrustmaster Warthog, VirPil, VKB, WinWing

- Bracket allows height adjustment as low as 5.5" from floor to base plate with bracket mounted beneath main support tube. With added extension tube, as high as 16.5" from floor to base plate, with bracket mounted over main support tube. Total of 11" height adjustment. Purpose of adjustable flight stick base is allowing precise vertical alignment of stick grip in accordance to seat height and grip extension (if such is installed to the stick).
- Plates are pre-drilled to accommodate the following sticks and stick bases: Thrustmaster Warthog, all Virpil, VKB, WingWin.
- Bracket is clamped beneath or over main support tube. Optionally it can be clamped on seat frame center tube.





Installation

1. Mount lower bracket beneath tube for lowest height adjustment. Clamping bolts are mounted upside down. Recommended clamp on bracket on seat frame center tube for closest arm reach. Replace top mounted knob with supplied bolt for clearance. Use 17mm open wrench to tighten or loosen bolt without removing bracket. Ensure bracket is clamped far enough from side knob to allow knob release if needed.

Clamp on bracket on main support tube optionally.

⚠ Ensure clamping bolts have equal tension and clamping tab lays flat against main support tube.

⚠ Ensure tab and bracket are square to tube they are clamped on.

Mount lower bracket on top of main support tube for highest height adjustment.

⚠ Clamping bolts are mounted right side up.

⚠ When center mounted stick is not being used, remove upper bracket along with the stick attached to it and leave lower bracket clamped on seat frame.

Bracket clamped beneath frame center tube. Clamping bolts are installed upside down.



Bracket installed at lowest setting with longest grip extension (configuration #7)



Bracket installed on top of tube for taller setting. Bolts are installed right side up.



Bracket extension added for high mount setting of stick base. Use extension if necessary.,



24

Stick without grip extension installed with bracket high mount setting.



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Install bracket extension tube if necessary to achieve highest height adjustment. Normally used when stick is used without grip extension. Gently tighten down set screws pre-installed on two adjacent sides of tube extension until tube is secured and straight. Do not over tighten set screws.

Stick lower plate installation

Mount stick lower plate to upper support brackets by using pair of countersink bolts, washers, tooth washers and nuts per plate.

⚠ Illustration below shows plate mounted to side bracket. Principle is the same as center bracket. Ensure plate has centered relation to rudder plate shaft.



5. Remove stick base factory plate from Warthog, VirPil and VKB flight sticks and replace it with SimFab upper (stick base cover) plate.

⚠ WinWing flight stick does not require factory plate removal.

6. Depending on brand and model controls use included mounting hardware to hard mount stick and throttle to each plate.

Stick mounting hardware

10. Stick upper plate (stick base cover) to lower plate hardware:
bolts (4); washers (4); lock washers (4); nuts (4)

11. Stick mounting hardware:

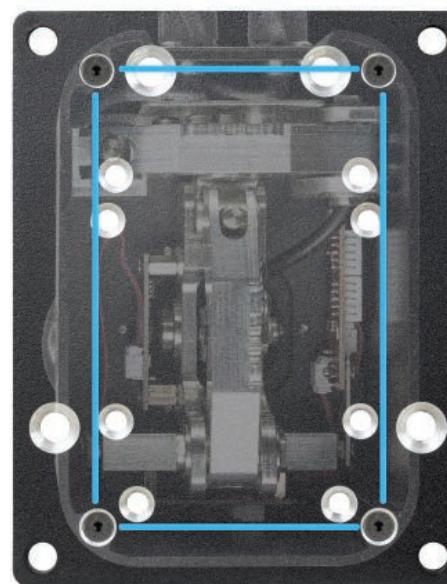
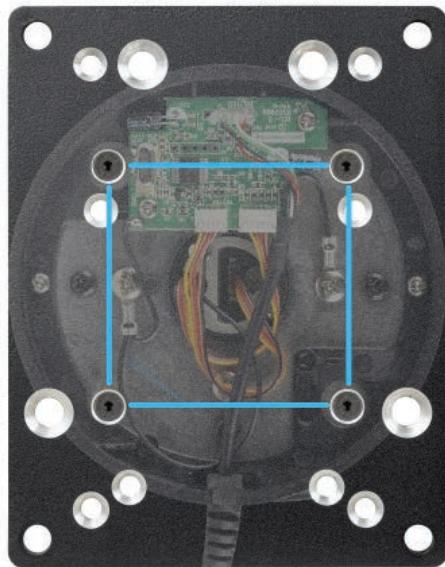
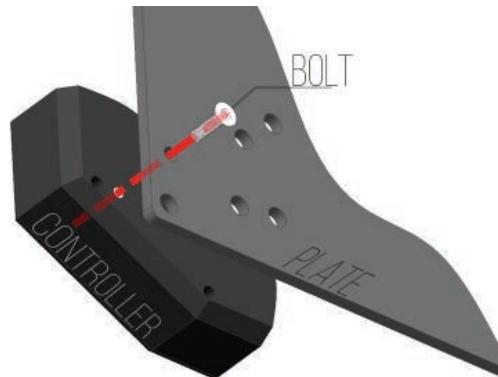
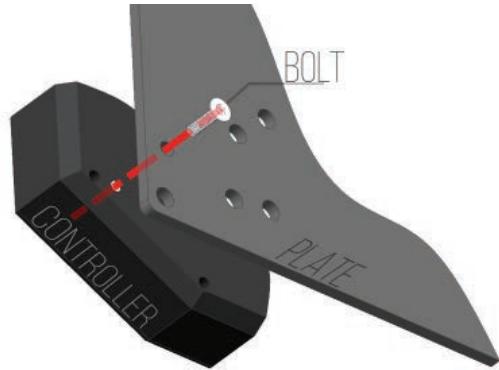
- Thrustmaster Warthog, VirPil, VKB, WinWing Orion2 sticks mounting hardware:
bolts (4); 2.5mm hex key
- WinWing Super Taurus stick mounting hardware: bolts (4)



Controls mount pattern:

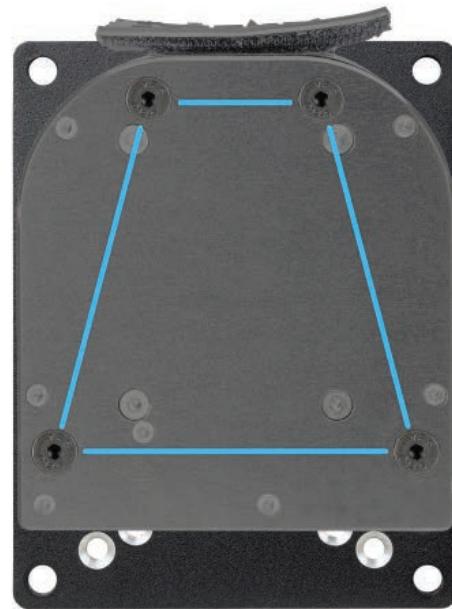
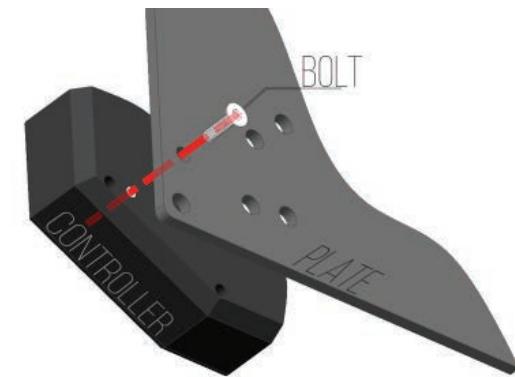
Thrustmaster Warthog and WinWing Orion stick

⚠ Thrustmaster Warthog stick shown below, WinWing Orion stick has same mounting pattern. Cover plate may need to be rotated at 90 degrees depending on control model and mount pattern.



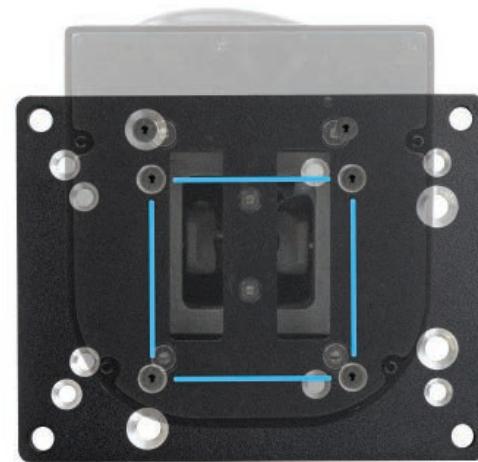
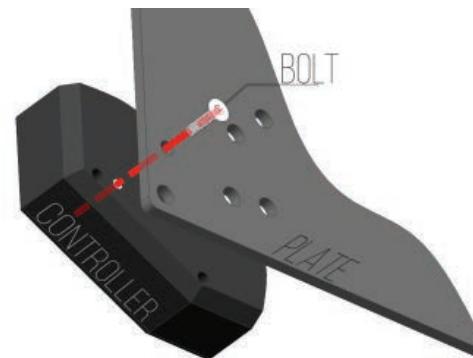
WinWing Super Libra stick

⚠ WinWing flight stick does not require factory plate removal.

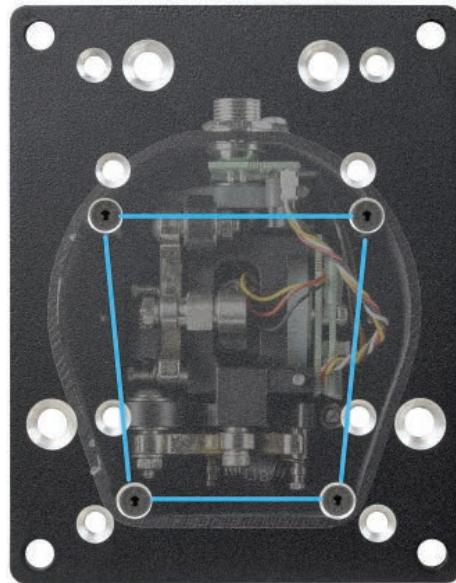
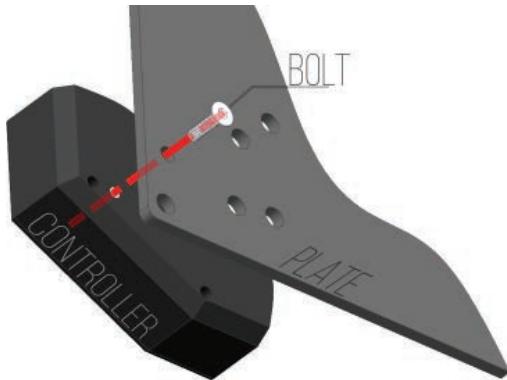


WinWing Orion Stick bases

⚠ Turn cover (upper) plate at 90 degrees and find matching holes.
Use Thrustmaster Warthog and alike bases mounting hardware:
M4x12mm countersink bolts.



VKB Gunfighter Stick



Flight Stick upper (base cover) plate to lower plate installation

⚠ Illustration below shows plate mounted to side bracket. Principle is the same as center bracket. Ensure plate has centered relation to rudder plate shaft.

Mount upper to lower stick plate by using included mounting hardware.



Sit comfortably on the seat and make final adjustments if necessary.

- Often used accessory with lower mount bracket is flight stick grip extension.



Specifications:

Recliner: max: 170 degrees

Construction: tubular steel frame with elastic strap supports

Seat Materials: high-density cold cure foam filling; Fabric, Steel chassis

Instructions during use and care:

Move simulator around with caution to avoid collision.

Keep out of direct sunlight and outdoor use.

Watch fingers when adjusting recliner.

Placing heavy or sharp objects on the seat may damage the surface material.

Do not use abrasive or chemically aggressive materials on the seat.

Use dry cloth or soft brush to clean the chair.

Dimensions:



Warranty Information

Return Policy

Terms And Conditions

<http://homeracer.com/ow-termsandconditions.html>

