

# Modular Flight Simulator Pit, DCS Edition

- \* Assembly Manual
- \* Introduction Of Modular Design
- \* Optional Add-on Accessories



Assembly instruction manuals available at:

V4.2 102824

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

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## WARNINGS:



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



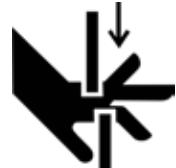
### WARNING

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



### WARNING

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



SimFab modular cockpit "DCS edition" package consists of several individually packed modules (configurations). Install each in the following order and refer to their dedicated assembly manuals where applicable.

1. Install seat lift kit (located within seat frame on bottom of the box) between seat frame and seat base sliding rails.
  - ⚠ Follow instructions in Seat lift kit manual booklet.
  - \* Install optional seat arm rest kit along with seat lift kit.
2. Install seat backrest to seat base. ⚡ Do not use seat before it is fully assembled and has weight in front, or rear extensions installed to the back, preventing seat from tipping over.
3. Install optional seat frame rear extensions. Refer to module dedicated manual booklet.
4. Install flight sim configuration #4, rudder pedal plate. Refer to module dedicated manual booklet.
5. Install flight sim configuration #6, centered stick lower mount bracket. Refer to flight sim #6 assembly booklet.
6. Install flight sim configuration #2 side brackets, plates and controls. Refer to flight sim #2 assembly booklet.
7. Install all rest optional configurations or add-on accessories available for purchase at [www.SimFab.com](http://www.SimFab.com) or [www.Amazon.com](http://www.Amazon.com)

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## Parts list

### Seat and frame kit assembly, page 27

5. Additional seat frame quick release knob
3. Seat frame (with pre-installed mounting hardware)
4. Seat lift kit
5. "Easy Roll" wheel set
6. Velcro ties (cable management) (6)
7. Quick release knob (attach to seat frame)
8. Wrench Set: Open Wrenches: 17mm, 13mm, 10mm, 7mm  
Allen Keys: 8mm, 5mm

**Keep all wrenches in black pouch for future use on all rest**

**OpenWheeler and SimFab products, and add-on accessories.**

**Stick and throttle side by side mount, HOTAS style  
assembly, parts list and hardware.**

**⚠ Refer to configuration #2 manual booklet.**

**Rudder plate assembly, parts list and hardware.**

**⚠ Refer to configuration #4 manual booklet.**

**Centered stick mount bracket assembly, parts list and  
hardware.**

**⚠ Refer to configuration #6 manual booklet.**



**Seat and frame  
assembly**



## 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

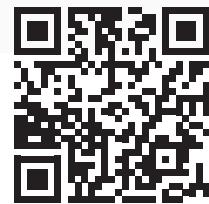


### Hybrid edition

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



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<https://bit.ly/simfabddkit>

### DD sim racing conversion kit

Convert your flight sim pit to sim racing setup and hot swap between each setup in seconds

Requires Gen3 base chassis.

## Modular flight pit add-ons Introduction

**⚠ Please read introduction carefully in order to understand modular design concept and learn about available flight sim options (configurations).**

We have incorporated simplicity, dynamic adjustment and rigidity, making your conversion effortless between different flight sim setups or sim racing, and vice versa. All controls are hard-mounted for maximum strength, handling the most aggressive pilot there is.

Our flight sim mounting brackets are compatible with all brands such as Thrustmaster, Saitek, CH Products, Logitech, VKB, WinWing, MFG, VirPil, Turtle Beach, Honeycomb, Slaw and others. We constantly update our designs, mounting patterns and hardware along with all newly introduced flight sim controls. For controls not mentioned within the list, please reach out to us for additional instructions or custom solutions.

We offer several flight sim add-on options based on commonly used and most desired setups, so called "**configurations**". Order of configuration numbers is based on the time of which each was developed, where some options can be used independently such as configurations #1, #2, #5, #8 and rest configurations compliment the flight setup depending on controls being used. All configurations are offered as "Add-on" kits as they require base model cockpit. Dedicated flight pits include group of said configuration as specified.



**Flight sim Add-on configuration #1, combat or commercial aviation flight sim HOTAS style, side by side mounted throttle and stick.**

Brackets and adapter plates are compatible with the following brands and models flight sim controls:

1. Logitech/Saitek X52, X52 Pro, X56
2. Thrustmaster T16000M stick and throttle
3. Thrustmaster HOTAS T.Flight stick and throttle
4. Thrustmaster TCA Airbus
5. Hori stick and throttle
6. CH Products stick and throttle
7. VKB Gladiator Stick
8. Turtle Beach Velocity One Stick

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## Flight Sim add-on configuration #2, combat aviation flight sim HOTAS style, side by side mounted throttle and stick.

Brackets and adapter plates are compatible with the following brands and models flight sim controls:

1. Thrustmaster Warthog stick and throttle
2. VirPil Sticks, throttles, control panels
3. WinWing stick bases and Orion throttle
4. VKB Gunfighter stick



<https://bit.ly/simfabhotas>



## 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.



<https://bit.ly/simfabhotascenterstick>



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Configuration #1 + #3  
Thrustmaster T.Flight



Configuration #3



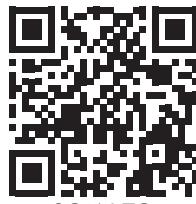
Configuration #2 + #3  
Thrustmaster Warthog

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

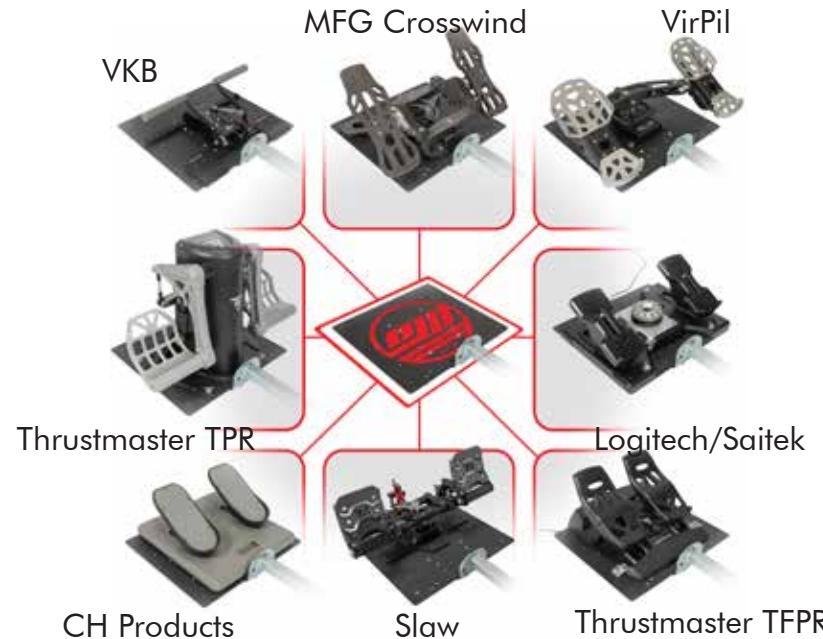
Configuration #4 consists of dedicated rudder pedal plate and shaft connected to seat frame. Rudder pedals are optional for lower end flight sticks within configuration #1 family, with built in yaw movement by twisting flight stick grip. Rudder pedal plate is required with higher end flight controls 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. VKB
2. MFG Crosswind
3. VirPil Ace Flight/Torq/WarBrd
4. Thrustmaster TPR/TFPR
4. Logitech Pro Flight
5. CH Products
6. Slaw device
7. WinWing Skywalker

<https://bit.ly/simfabrudderplate>



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## Flight Sim add-on configuration #5, 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.

<https://bit.ly/simfabcommers>



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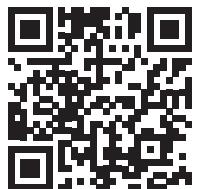
## Flight Sim add-on configuration #6, centered flight stick lower mount bracket.

Configuration #6 is a specially designed bracket for flight sticks with need of precise and long range of height adjustment. Lower mount bracket provides lowest height level of adjustment of stick base to accommodate flight sticks typically within configuration #2 with removable grips, where grip extension is added between standard grip and stick base. Major benefits are precise height placement of stick grip in accordance with various grip extensions for better stick control or when grip is used as helicopter simulation cyclic. Lower mount bracket can be used whether stick grip is used with extension or without.

 Kit does not include adapter plates. Adapter plates are included in Configurations #1 and #2

Typically used (not limited to) with following flight sticks:

1. Thrustmaster Warthog stick
2. VirPil Sticks
3. VKB Gunfighter stick
4. WinWing Super Libra Stick



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[https://bit.ly/  
simfablowerstick](https://bit.ly/simfablowerstick)



## Flight Sim add-on configuration #7, flight stick grip extension kit.

Proprietary design grip extension kit offering full range of grip extension from 2.75" (70mm) short to 7.5" (190mm) long. Package includes adapters, extensions, extension cables and all hardware, ready to use right out the box. All anodized and machined billet aluminum for light, and yet strongest material.

Grip extension is compatible with the following stick grips:

1. All Thrustmaster Warthog based grips
2. VirPil stick grips
3. WinWing stick grips



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<https://bit.ly/simfabgripext>



70mm to 110mm  
( $2\frac{3}{4}$  -  $4\frac{3}{8}$  in.)  
extension

105mm to 145mm  
( $4\frac{1}{8}$  -  $5\frac{3}{4}$  in.)  
extension

150mm to 190mm  
( $5\frac{7}{8}$  -  $7\frac{1}{2}$  in.)  
extension

**Total of 70mm to 190mm ( $2\frac{3}{4}$  -  $7\frac{1}{2}$  in.) grip extension  
all in one kit**

## Flight Sim add-on configuration #8

Complete package for GA aviation, Thrustmaster TCA Boeing

Edition: yoke, throttle quadrant, rudder pedals  
configuration #9

Thrustmaster TCA Boeing yoke bracket only



### Complete package

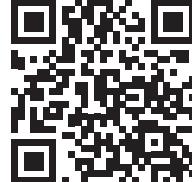
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<https://bit.ly/simfabboeingcompl>

### Yoke bracket only

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<https://bit.ly/simfabboeingbronly>

## Flight Sim add-on configuration #10A

Vertical panel left/right side with single control

Compatible with update list from 10a plate



### Flight Sim add-on configuration #10B



## Flight Sim add-on configuration #11

### Helicopter Collective Universal Mount Bracket

Compatible with WinWing, VirPil and Komodo helicopter collectives



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<https://bit.ly/hellicollective>

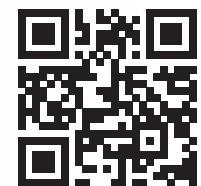
## Flight Sim add-on configuration #13

### Advanced Modular Side Mount

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<https://bit.ly/amsm>



## Flight Sim add-on configuration #14

Extended upper L bracket for dual side control mount



Included in the kit  
is adapter plate  
of choice with  
appropriate controls  
mounting hardware



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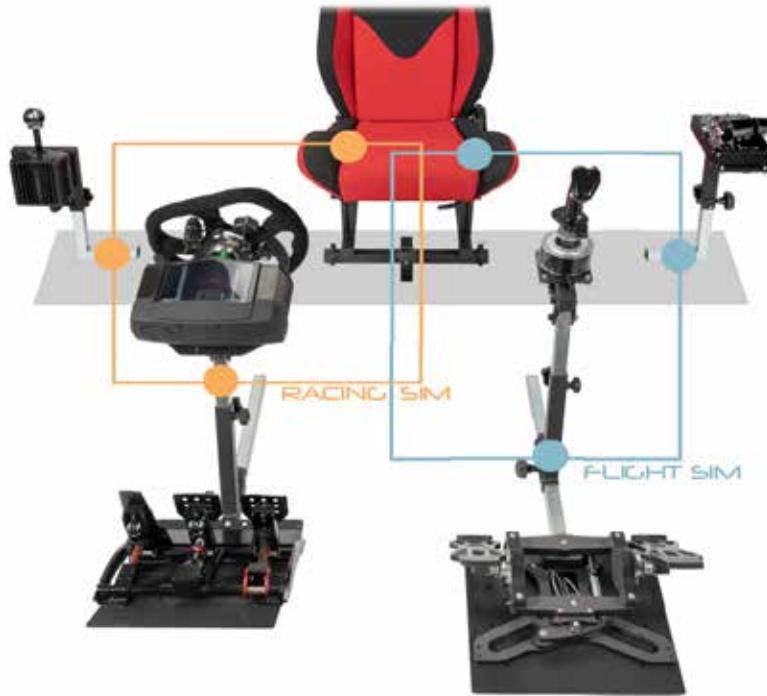
<https://bit.ly/UpperL>

## 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



## Seat and Seat frame installation

1. Install seat lift kit between seat frame and seat base.

Refer to seat lift kit installation manual.

Attach felt pads to each corner of seat base frame. Align each pad with welded nuts, towards the end of frame tube as shown.



## 2. Seat Assembly

- Remove pre-screwed pair of bolts on left side of the backrest and bolt on right side of the seat.

**⚠** Seat base is designed with removable center foam insert for center mounted stick or cyclic use.



- Tighten down all 3 bolts with supplied wrenches: small Allen (Hex) key for the pair bolts on the left; Large combo wrench for the bolt on right side.



- Align backrest with seat reclining arm on the left side. Hand tight single hinge bolt on right side **first**, then two bolts on the left side.



**3. "Easy Roll" wheel set installation.** Insert wheel tube into rear side of seat frame until it bottoms out. Secure tubes with pair of bolts pre-installed to seat frame.



- To move the cockpit around or out of the way, lift front of chassis by the lower support bracket until "Easy Roll" wheels touch the floor.



**4. Rudder plate assembly.**

⚠ Refer to rudder pedal plate assembly manual booklet, a.k.a "Configuration #4".

**5. Side by side mount bracket for stick and throttle.**

⚠ Refer to stick and throttle assembly manual booklet, a.k.a "Configuration #2"

**6. Centered stick mount bracket.**

⚠ Refer to centered stick mount bracket assembly manual booklet, a.k.a "Configuration #6"

## 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>

# Flight Simulator Add-on Kit

## Configuration #2 Combat Simulation Side By Side Throttle and Stick, HOTAS

### Assembly Manual



V6.1DCS 122323

Assembly instruction manuals available at:

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

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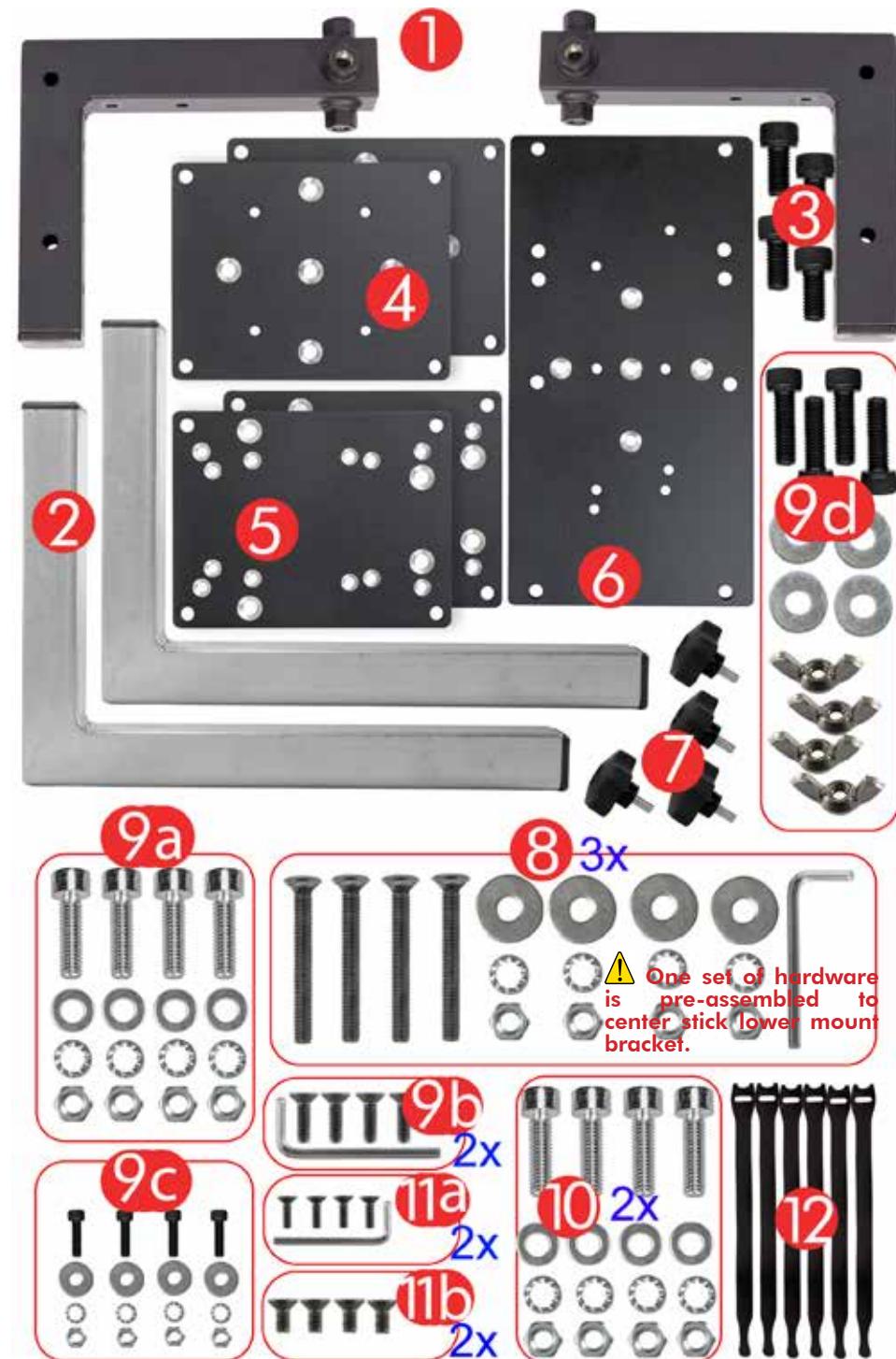


Proceed with caution and extra attention when warning signs are present during installation instructions manual.



## Parts list

1. Upper L bracket (2)
  2. Lower L bracket (2)
  3. Lower L bracket mounting hardware (4) pre-installed to frame
  4. Flight controls stick lower plate (2)
  5. Flight controls stick upper (stick base cover) plate (2)
  6. Flight controls throttle plate.  (default medium plate can be substituted with compact (MFD) plate upon request.)
  7. Upper L brackets quick disconnect knobs (4)
  8. Stick lower plate and throttle plate to upper L bracket hardware:  
bolts (4+2); washers (4+2); lock washers (4+2); nuts (4+2); 4mm Hex key
-  One set of hardware is pre-assembled to center stick lower mount bracket.
9. Throttle control to plate mounting hardware:
    - a) Thrustmaster Warthog, WinWing Orion throttle:  
bolts (4); washers (4); lock washers (4); nuts (4)
    - b) VirPil throttle mounting hardware: bolts (4), 3mm hex key
    - c) WinWing Orion throttle mounting hardware: bolts (4), lock washers (4) washers (4)
    - d) VKB STECS series controls mounting hardware: bolts (4), washers (4), Wing nuts (4)
  10. Stick upper plate (stick base cover) to lower plate hardware:  
bolts (4+4); washers (4+4); lock washers (4+4); nuts (4+4)
  11. Stick mounting hardware:
    - a) Thrustmaster Warthog, VirPil, VKB sticks mounting hardware:  
bolts (4+4); 2.5mm hex key
    - b) WinWing stick mounting hardware: bolts (4+4)
  12. Velcro ties for cable management (6)



## Compatibility

Flight sim add-on kit configuration #2 is compatible with the following brands and models:

1. Thrustmaster Warthog stick and throttle, Viper TQS throttle
2. VirPil Sticks, throttle and control panels
3. WinWing sticks and Orion throttle
4. VKB Gunfighter stick
5. VKB STECS/STEM throttle system and all variants.



## Installation

### Universal side brackets installation

1. Insert lower "L" bracket to upper "L" bracket. Use either long or short arm of lower "L" bracket depending on height position adjustment. Mount pair of handle knobs as shown below.



2. Use flathead screwdriver to wedge out plastic cap from front/side frame tube. Caps may be removed by default.



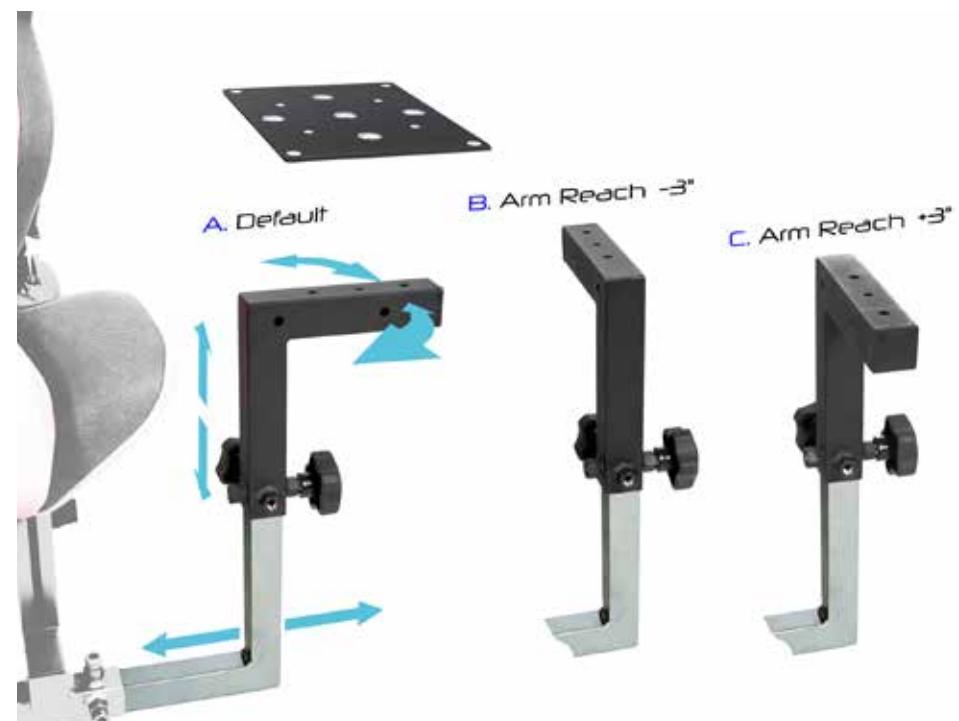
3. Insert lower "L" bracket to front/side tube of the seat frame. Install pair of bolts into welded nuts of the frame.

⚠ Depending on setup and preference, switch to either long or short Lower L bracket arm.

Repeat above steps for left hand side bracket set.



⚠ Optional turn upper L bracket pointing forward, turn plates 90 degrees for extra 3" arm reach.



#### Stick lower plate and throttle plate installation

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



5. Remove Thrustmaster Warthog stick base factory plate and hardware holding it, and replace it with SimFab cover (stick base cover) plate.

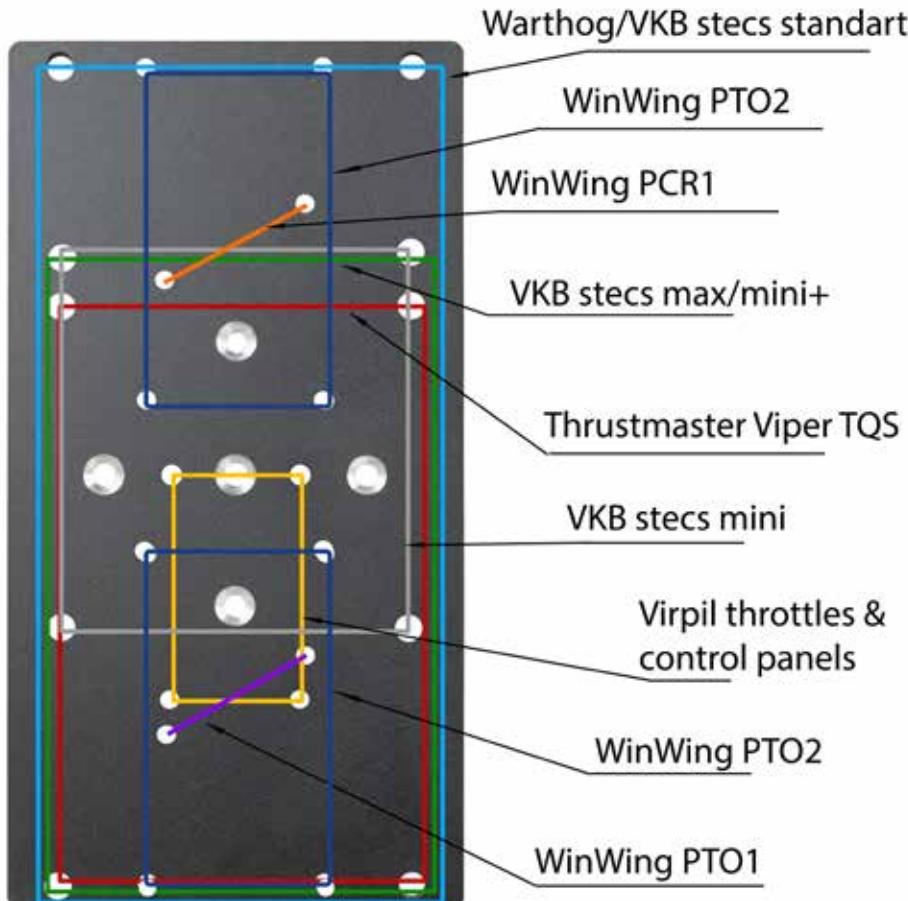
**⚠** WinWing Super Libra does not require base plate removal.

VirPil later generation stick bases only require removal of factory hardware. Install SimFab plate over it, using SimFab selected hardware.

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

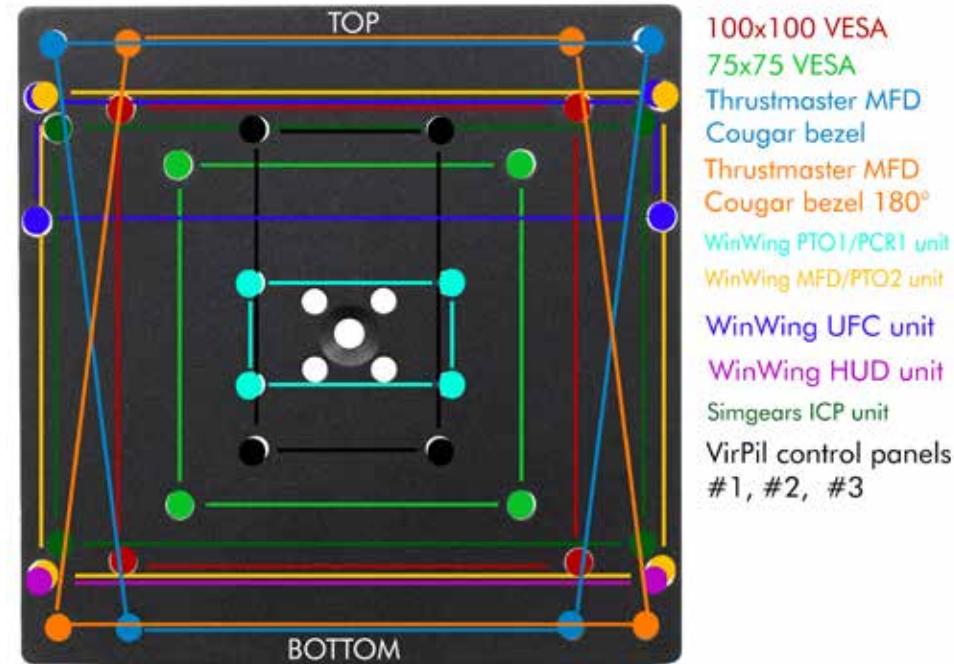
#### Universal medium (throttle) plate

**⚠** Included in default DCS cockpit package or flight sim #2 add-on kit



#### Universal compact medium (MFD/throttle) plate

**⚠** Optional compact plate does not overlap VirPil controls, allowing closer alignment of multiple panels.



**⚠** Install VirPil control panels or throttles in the following order:

- a) Pick appropriate pair of countersunk holes and run bolts (hardware #8) through plate holes.



- b) Install VirPil control to plate (hardware #9B).

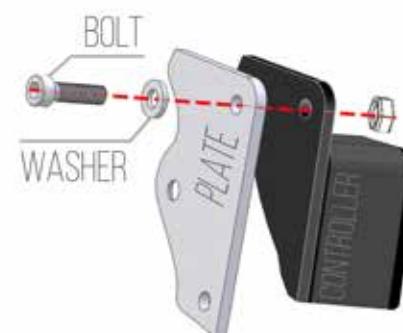


- c) Install plate to upper L bracket by aligning bolts to upper L bracket desired pair of holes. Install washers, tooth washers, nuts to bolts (hardware #8).



**Controls mount pattern:**

Thrustmaster Warthog throttle

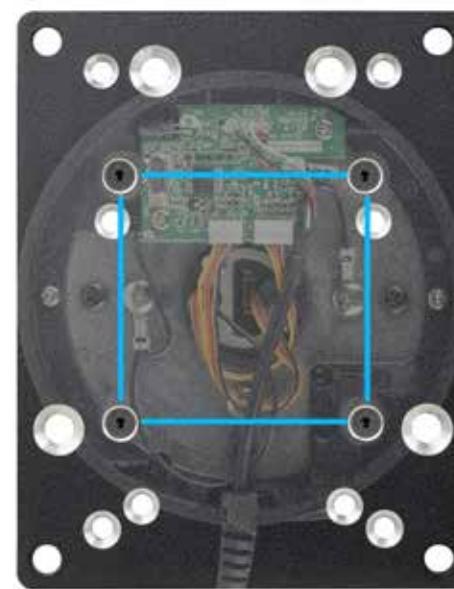


Thrustmaster Viper TQS throttle



Thrustmaster Warthog and WinWing Orion stick

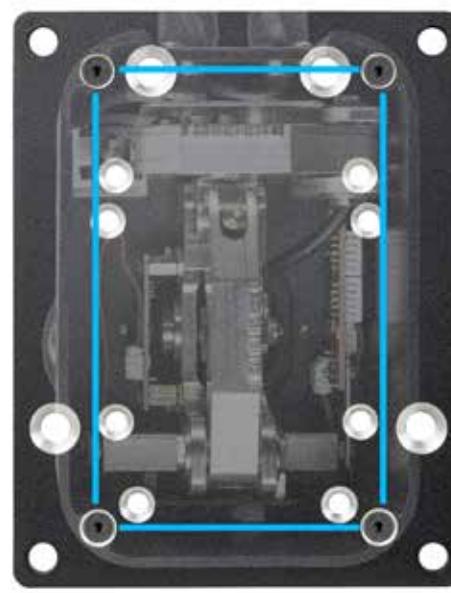
⚠ Thrustmaster Warthog stick shown below, WinWing Orion stick has same mounting pattern.



VirPil Throttles and Control Panels



VirPil stick



## WinWing Orion Throttle

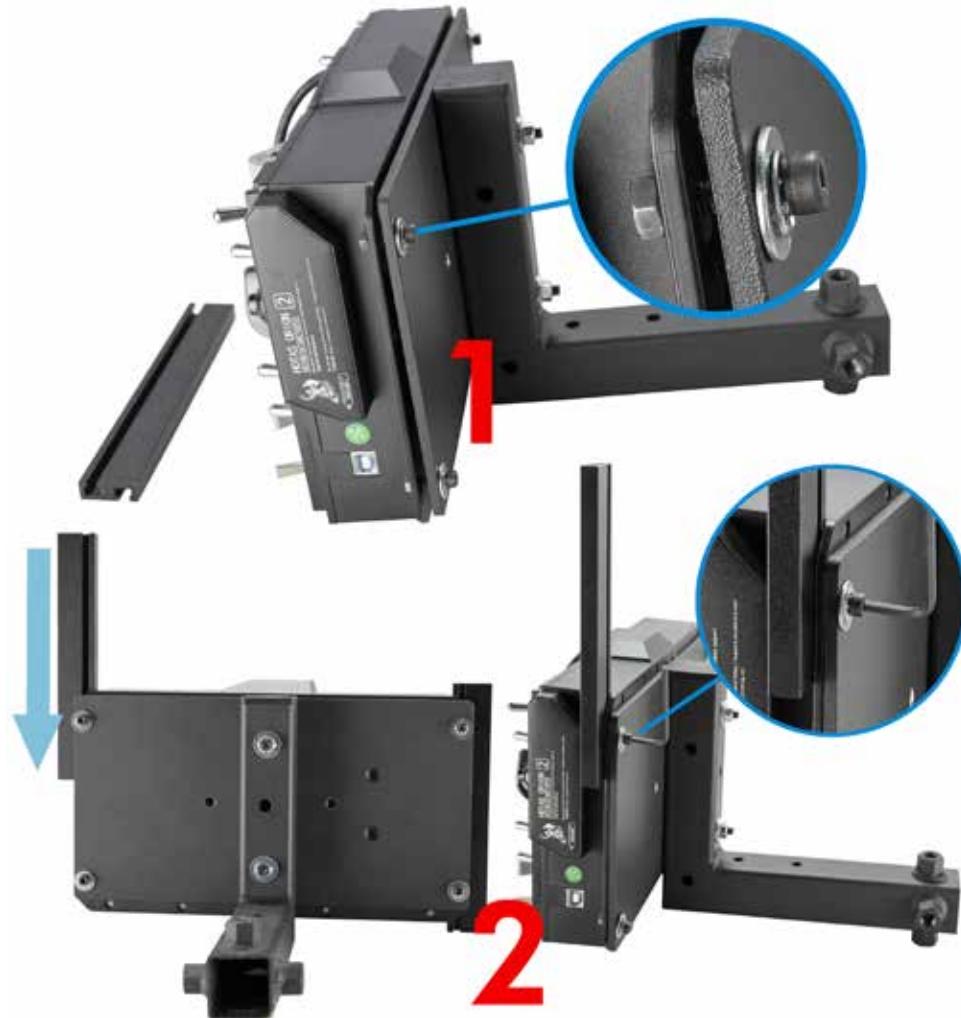
**⚠ Use included throttle mount hardware in Bag 9c.**

Install hardware through plate and throttle base on each corner hole as shown, with following order. Plate bottom side: bolt head, tooth washer, washer. Throttle top side: nut.

Leave hardware loose. Slide WinWing mounting rails channel on nuts side.

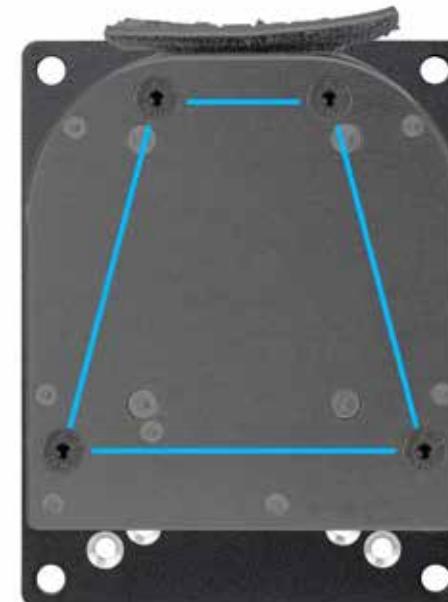
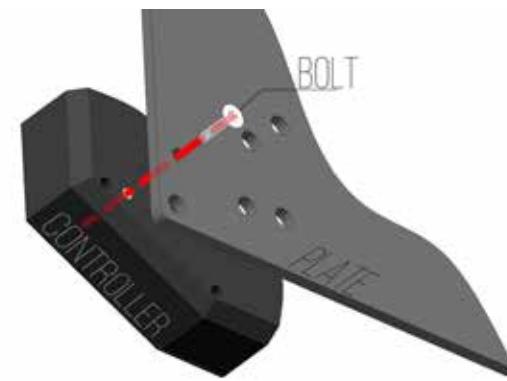
Adjust rails and tighten bolts by using 3mm Allen key.

**⚠ Do not over tighten bolts to avoid damage or stripping hardware.**



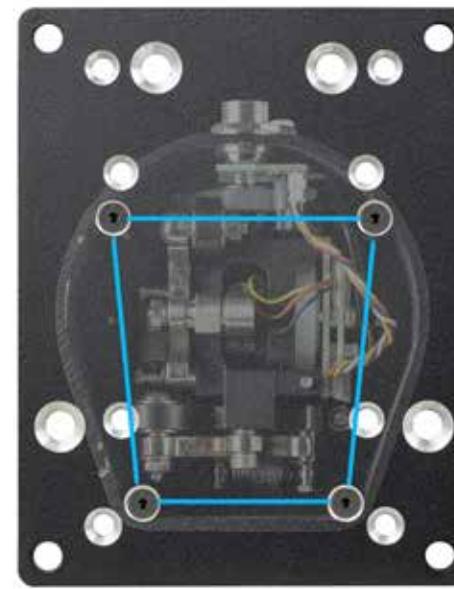
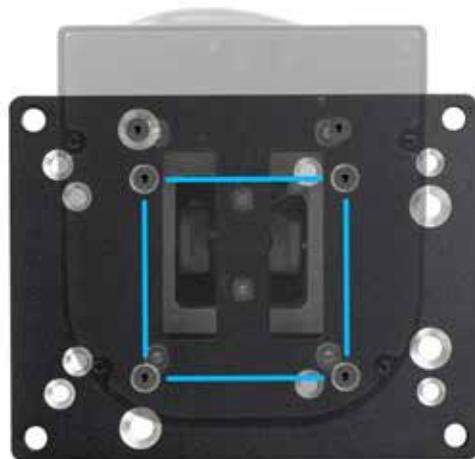
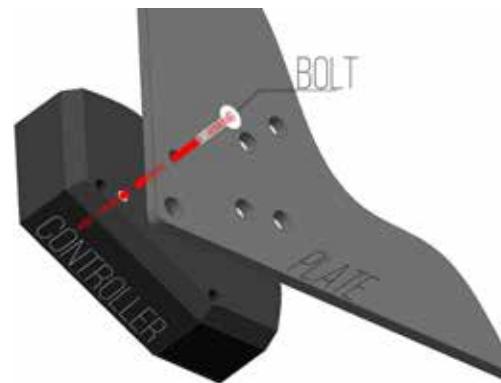
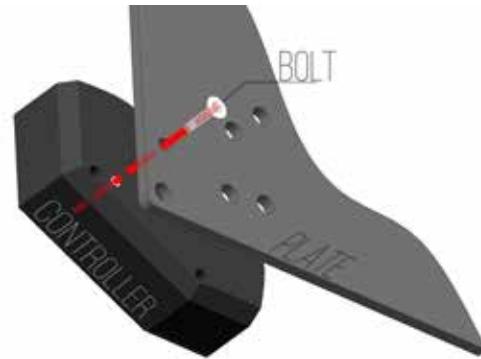
## WinWing Super Libra stick

**⚠ 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.



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

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



## Flight Simulator Add-on Kit

### Configuration #4 Rudder Pedal Plate Assembly Manual



Assembly instruction manuals available at:

V4.1DCS 021324

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

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## WARNINGS:



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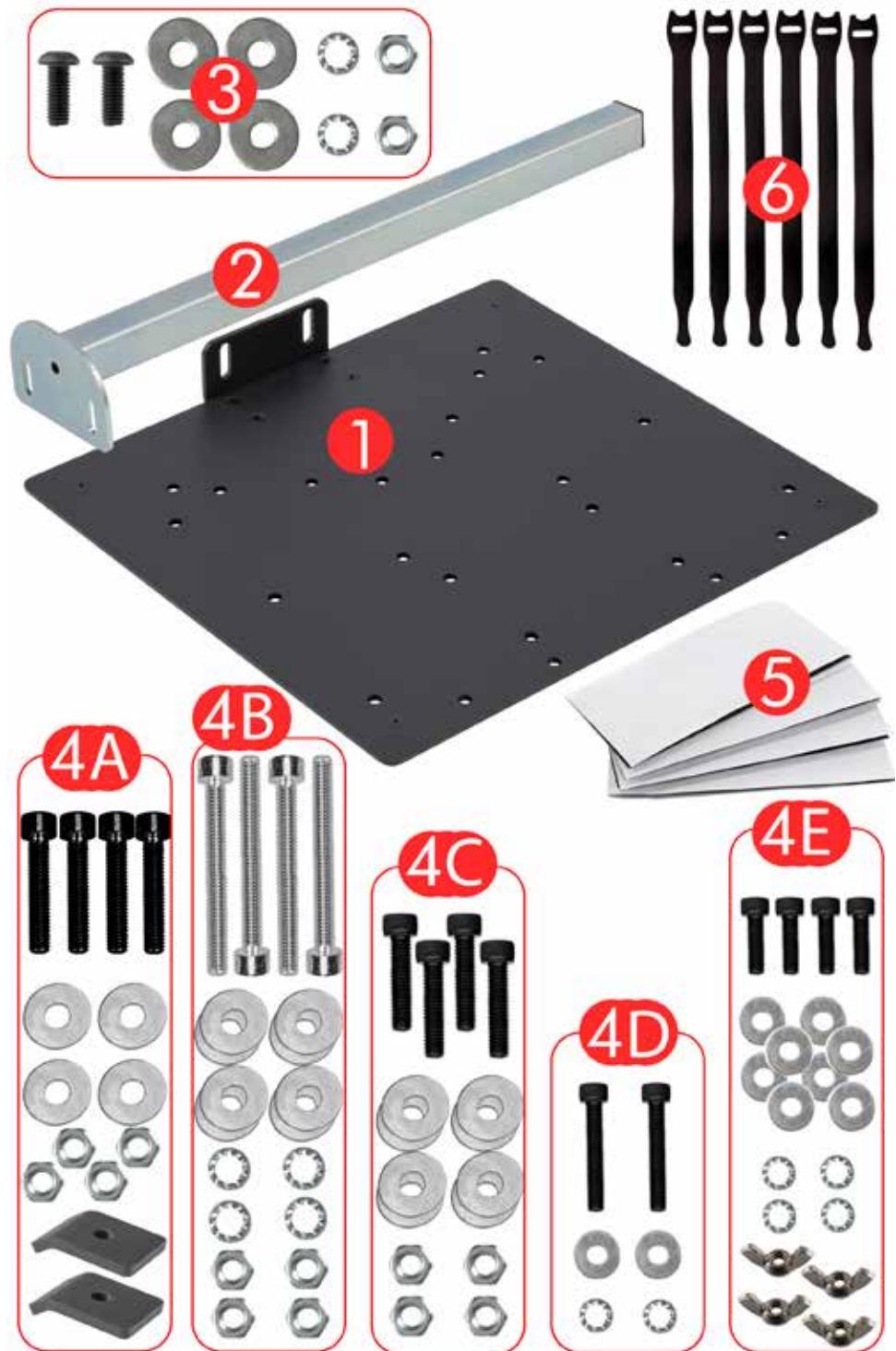


## Parts list

1. Rudder pedal plate with mounting bracket.
2. Rudder pedal plate shaft.
3. Rudder pedal plate to shaft mounting hardware.
4. Various controls mounting hardware:
  - ⚠️** All controls mounting bolts are installed upside down except WinWing pedals (bolt heads on floor side).
- A. Thrustmaster TFRP, VirPil Torq, WinWing Skywalker
- B. Logitech (Saitek)
- C. MFG Crosswind
- D. VKB T-Rudders Mk.IV
- E. TPR, VirPil Ace Interceptor/Collection, Slaw Viper, Turtle Beach Velocity One
5. Velcro strips for rudder pedals not equipped with through holes or inserts. (4)
6. Velcro ties for cable management (6)

**⚠️** Use wrenches included in base package cockpit:

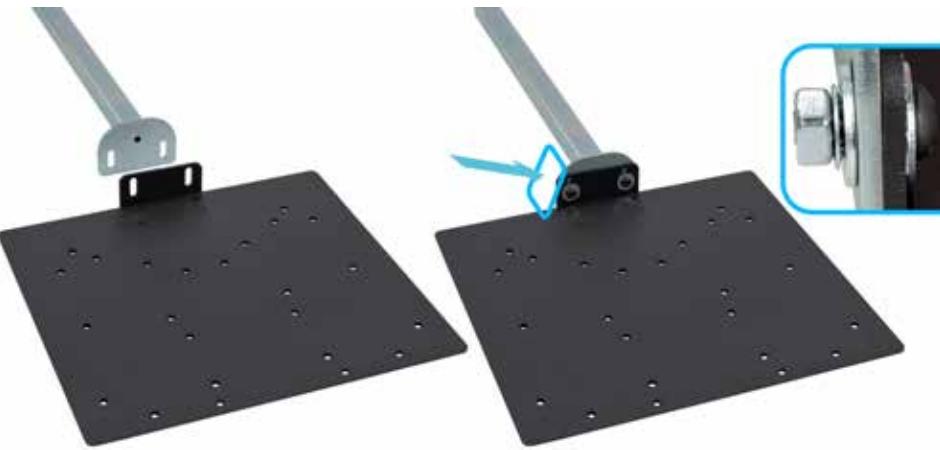
- \* 5mm Hex key
- \* 10mm combo flat wrench
- \* 13mm combo flat wrench



# Installation

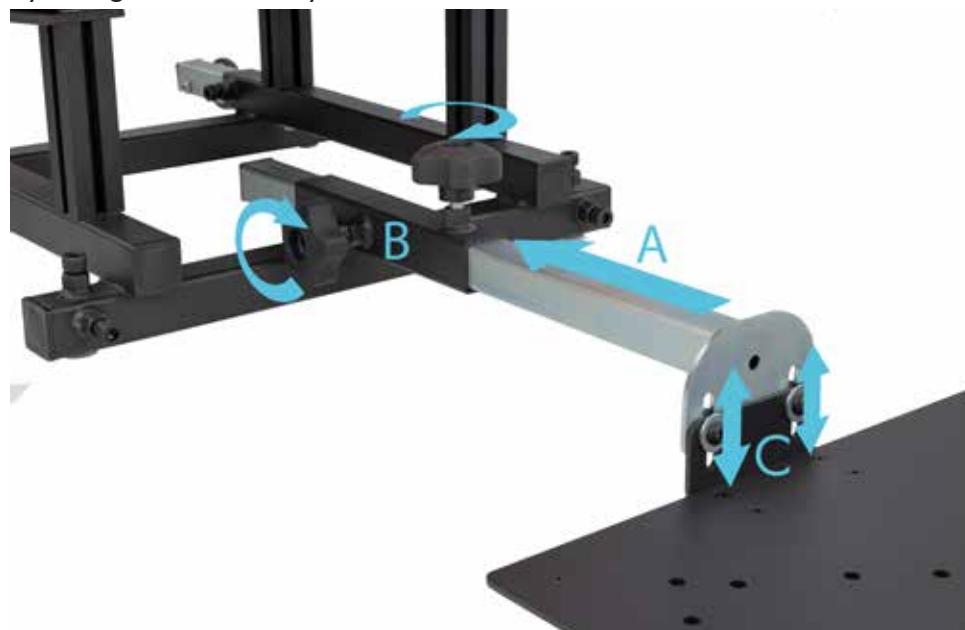
## Pedal plate and shaft assembly

1. Install hardware connecting pedal plate with shaft, leave hardware hand tight.



2. Rudder pedal plate assembly to seat frame installation.

- A. Slide in shaft to seat frame
- B. Tighten quick release knobs
- C. Adjust plate to lay flat on floor and tighten plate mounting hardware by using 5mm hex key and 13mm combo wrench.



## Rudder pedals installation

3. Install controls mounting hardware upside down with bolt heads facing the floor.

⚠All controls (except WinWing rudders) mounting bolts are installed upside down (bolt heads on floor side).



## Rudder pedals mounting pattern

Saitek/Logitech

ThrustMaster TFPR

ThrustMaster TPR

VirPil Ace Interceptor / Collection

VirPil Ace Torq

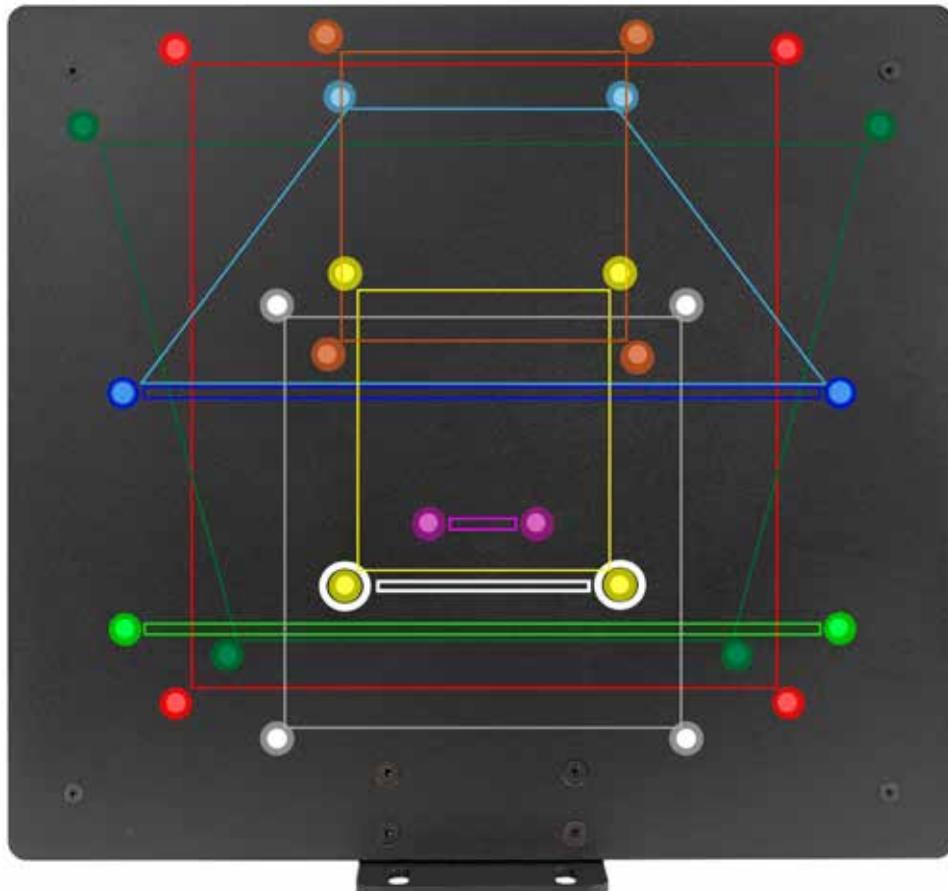
MFG CrossWind

VKB Sim and Turtle Beach Velocity One

CH Products - use Velcro strips

Slaw Device Viper

WinWing Skywalker



4. Thrustmaster TFPR rudder pedals holding tabs installation.  
Align rudder pedals along with plate mounting holes and clamping marks as indicated on pedals.

Clamping holding tabs elsewhere may damage pedals plastic.



5. VirPil Collection / Interceptor rudder pedals.

⚠ Remove factory base bracket held by four bolts and mount pedals to OpenWheeler rudder pedal plate.



6. VirPil Torq rudder pedals holding tabs installation.

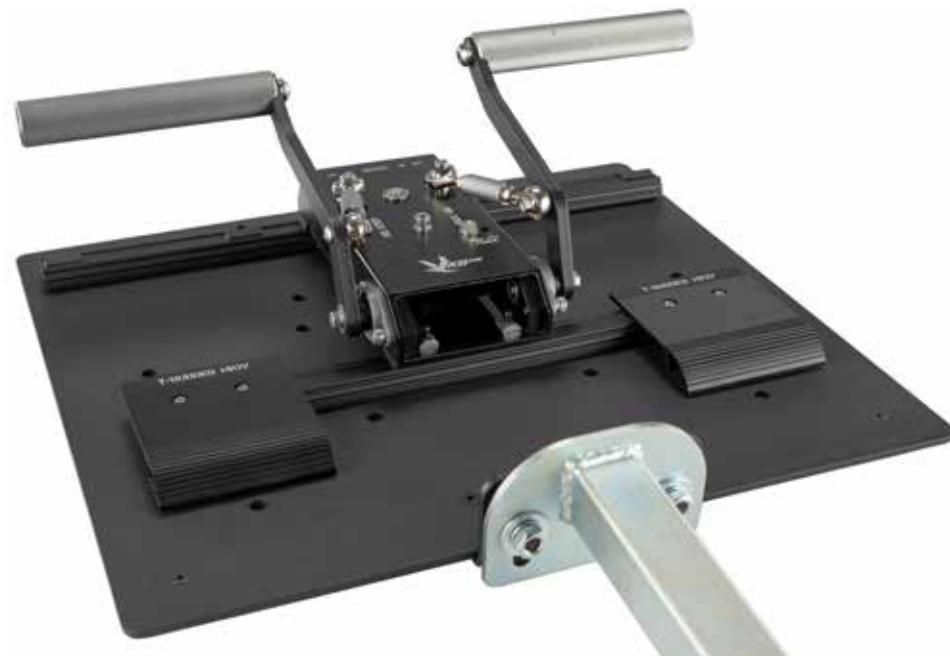
⚠ Use holding tabs and hardware to secure rudder pedals to plate.



7. VKB T-Rudders Mk.IV rudder pedals.

⚠ Remove factory inserts and bolts holding rudder rear feet as shown, and replace them with hardware as labeled through pedal plate.





8. WinWing Skywalker (Orion) rudder pedals.  
Use rudder kit hardware, bag 4A: 4 bolts M6x25mm, 4 washers, 4 nuts.
- ⚠** WinWing rudder pedals are the only ones with bolts installed right side up: bolt head top of rudders, washers and nuts bottom of plate.



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



Assembly instruction manuals available at:

V4.1DCS 042023

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

by **SimFab.com**

# WARNINGS:



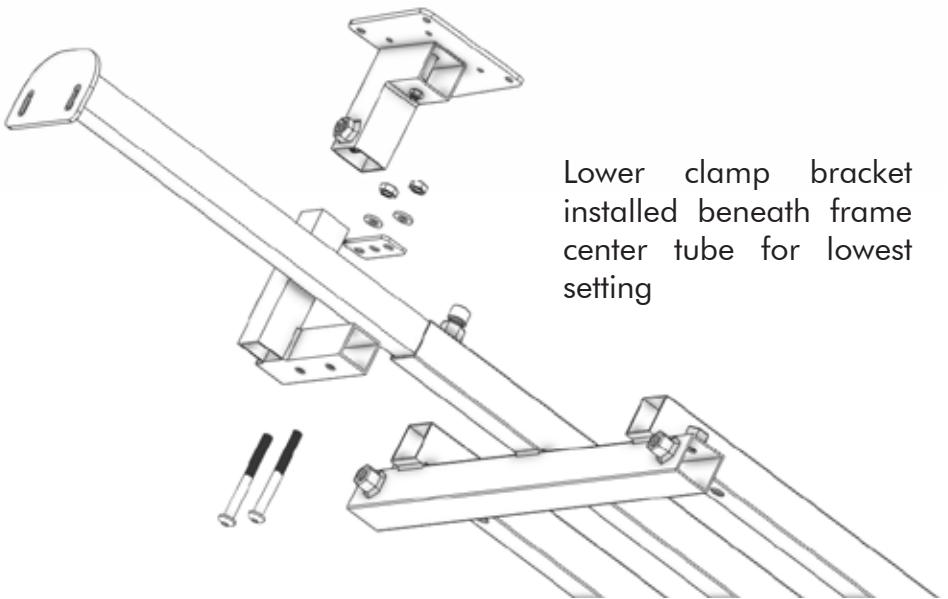
Proceed with caution and extra attention when warning signs are present during installation instructions manual.



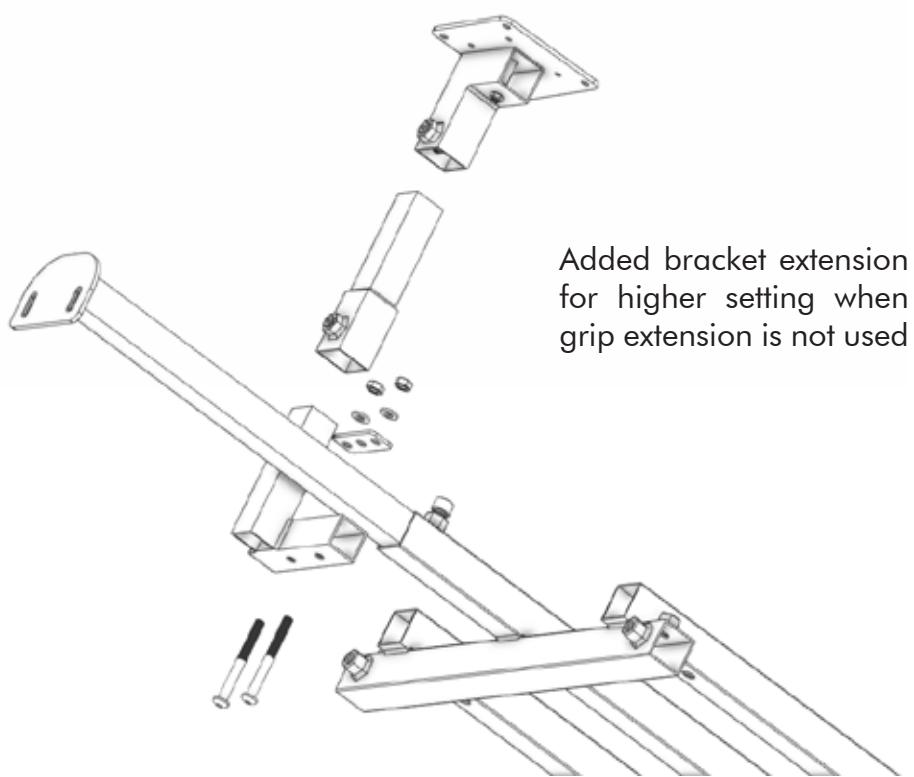
If your item is damaged, defective or missing parts, please contact us first directly at Email: [info@SimFab.com](mailto:info@SimFab.com) or Toll Free: **1-888-299-2746**

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

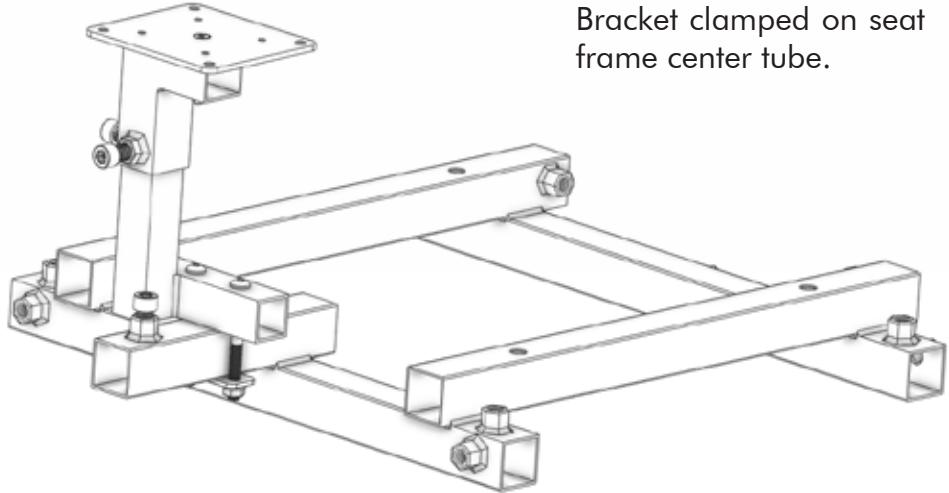
For invoices and other price information, please refer to your market place account for more details. Alternatively, you can always email us at [info@SimFab.com](mailto:info@SimFab.com)



Lower clamp bracket  
installed beneath frame  
center tube for lowest  
setting



Added bracket extension  
for higher setting when  
grip extension is not used



Bracket clamped on seat frame center tube.

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



### **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 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.,



Stick without grip extension installed with bracket high mount setting.



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.

Install upper plate on flight stick base by using appropriate bolts set as labeled depending on brand and model flight stick.

Install lower plate mounting bolts through pair of countersink holes. Ensure the two holes match center mount of the stick in accordance to center of seat cutout. Mount lower plate to upper plate by using hardware set as labeled.

Ensure stick is straight and square, and tighten nuts beneath lower plate.

**⚠ Do not over tighten nuts.**

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

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



