Flight Simulation Add-on Kit
Thrustmaster TCA Boeing Edition Yoke And Throttle Quadrant (single or dual)

Configuration #8

General And Commercial Aviation Package

Yoke/Quadrant/Rudder Pedals MK2

Assembly Manual

And

Optional Accessories



Assembly instruction manuals available at:

http://bit.ly/ow-manuals

V1.5 070626

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.

WARNING

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



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Parts list

1. Rudder plate assembly and hardware

⚠ **Part list from 1 through 4 and images, refer to rudder pedal plate assembly section, page 28**

1. Rudder pedal plate with mounting bracket.
2. Rudder pedal plate shaft.
3. Rudder pedal plate to shaft mounting hardware.
4. Various rudder pedals controls mounting hardware

2. Yoke and throttle quadrant bracket kit, and hardware.

Refer to Configuration #8 assembly section, page 38

1. Throttle quadrant plate with pre-assmebled shaft
2. Yoke C bracket with pre-assembled shaft.
3. Yoke adapter bracket with pre-installed set screws.
4. Throttle quadrant main support shaft
5. 4-way coupler for optional keyboard mount on right hand side
6. T extension tube
7. Yoke post
8. Throttle quadrant post
9. Knobs and bolts (pre-installed to both posts #7 & #8)
10. Yoke and throttle quadrant controls mounting hardware:

10C. Mounting hardware for Thrustmaster TCA Boeing edition throttle quadrant, single or dual.

10D. Mounting hardware for Thrustmaster TCA Boeing edition yoke: bolts (2), washers (2), 4mm stubby Allen key



Flight Simulator Add-on Kit

Configuration #4

Rudder Pedal Plate

Assembly Manual



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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 (bolt heads on floor side).

A. Thrustmaster TFRP and VirPil Torq

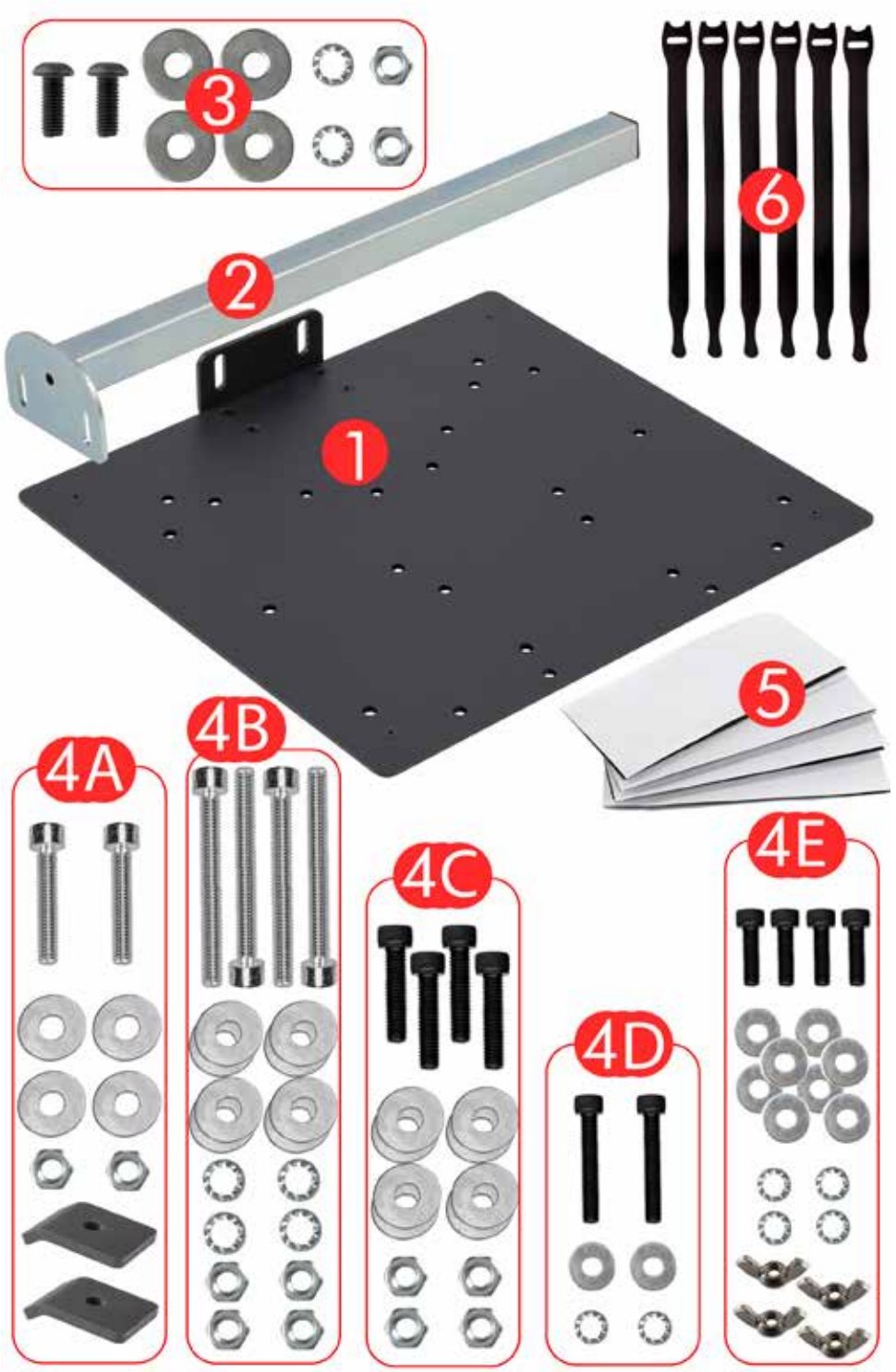
B. Logitech (Saitek)

C. MFG Crosswind

D. VKB T-Rudders Mk.IV

E. TPR, VirPil Ace Interceptor/Collection, Slaw Viper, Turtle Beach Velocity One

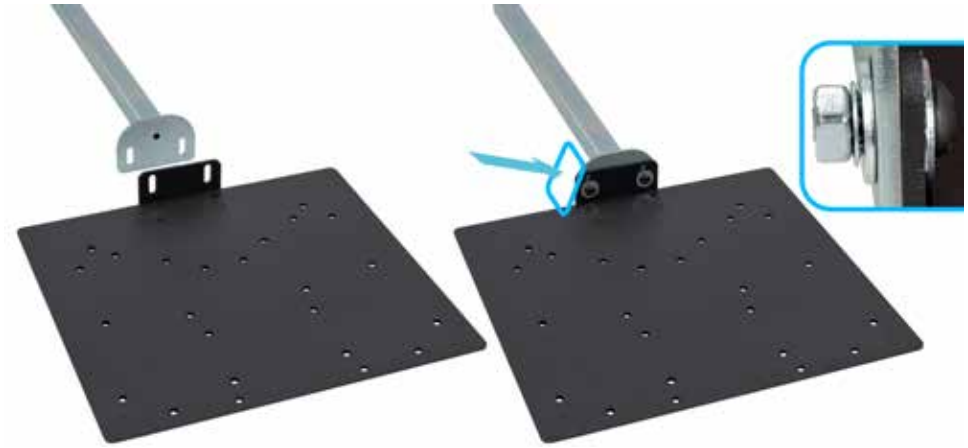
5. Vecro strips for rudder pedals not equiped with through holes or inserts. (4)
6. Velcro ties for cable management (6)



Installation

Pedal plate and shaft assembly

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

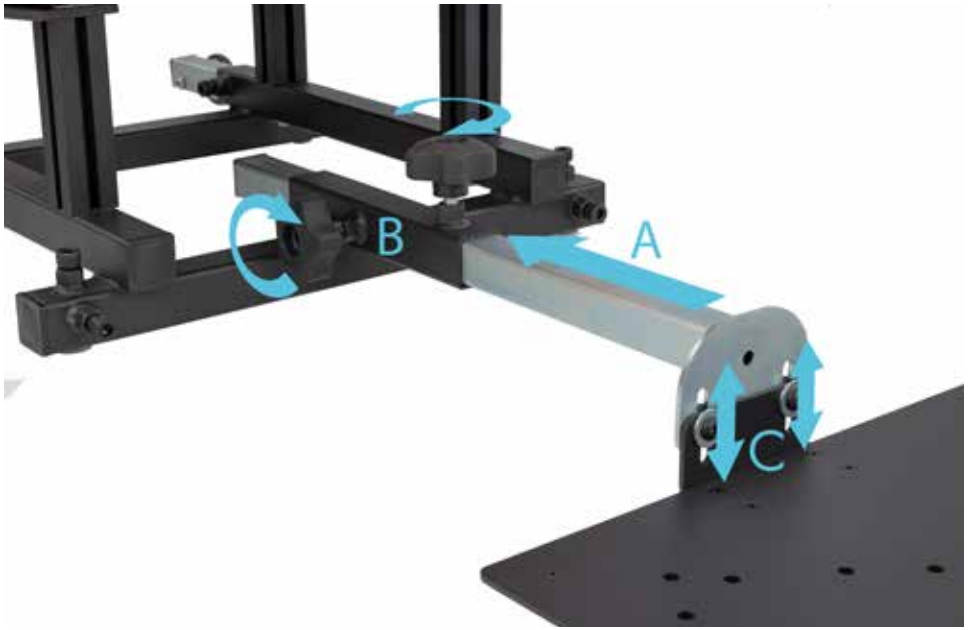


2. Rudder pedal plate assembly to seat frame installation.

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.

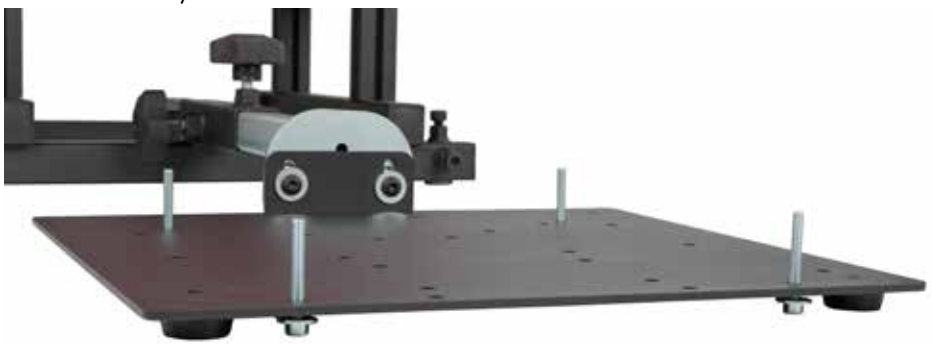




Rudder pedals installation

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

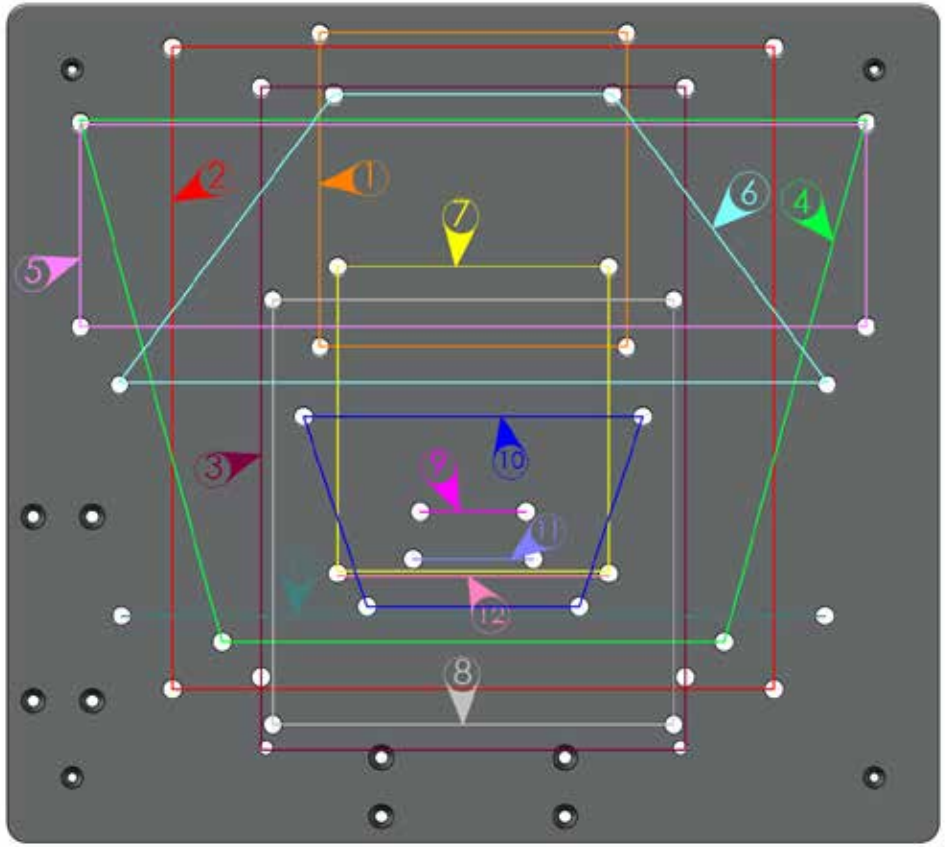
⚠All controls mounting bolts are installed upside down (bolt heads on floor side).





Rudder pedals mounting pattern

1. VirPil Ace Interceptor / Collection
2. Saitek/Logitech
3. Brunner Rudder Brackets
4. ThrustMaster TPR / Moza MRP
5. Honeycomb Charlie Rudder Brackets
6. Slaw Device Viper
7. MFG CrossWind
8. WinWing Skywalker
9. VKB Sim and Turtle Beach Velocity One
10. Virtualfly Ruddo+
11. VKB old
12. VirPil Ace Torq
13. ThrustMaster TFPR



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 rudder pedal plate.



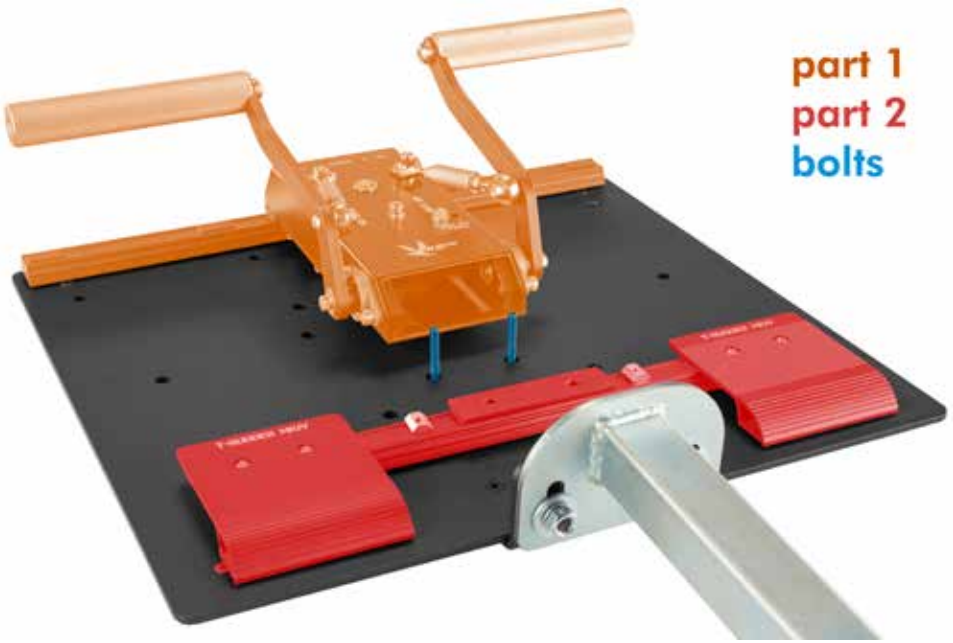
6. VirPil Torq rudder pedals holding tabs installation.
⚠ Use holding tabs and hardware to secure rudder pedals to plate.



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.






part 1
part 2
bolts



Yoke/Quadrant Assembly Manual



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Parts list

Yoke and throttle quadrant bracket kit, and hardware.

1. Throttle quadrant plate with pre-assmebled shaft
2. Yoke C bracket with pre-assembled shaft.
3. Yoke adapter bracket with pre-installed set screws.
4. Throttle quadrant main support shaft
5. 4-way coupler for optional keyboard mount on right hand side
6. T extension tube
7. Yoke post
8. Throttle quadrant post
9. Knobs and bolts (pre-installed to both posts #7 & #8)
10. Yoke and throttle quadrant controls mounting hardware:
10C. Mounting hardware for Thrustmaster TCA Boeing edition throttle quadrant, single or dual.
10D. Mounting hardware for Thrustmaster TCA Boeing edition yoke: bolts (2), washers (2), 4mm stubby Allen key



Yoke and Quadrant brackets assembly

7. Slide yoke post on rudder pedal plate shaft and slide shaft into seat frame center tube.

⚠ Yoke post can be mounted reversed according to personal preference and comfort.



8. Insert T extension tube into front/right side seat frame tube.



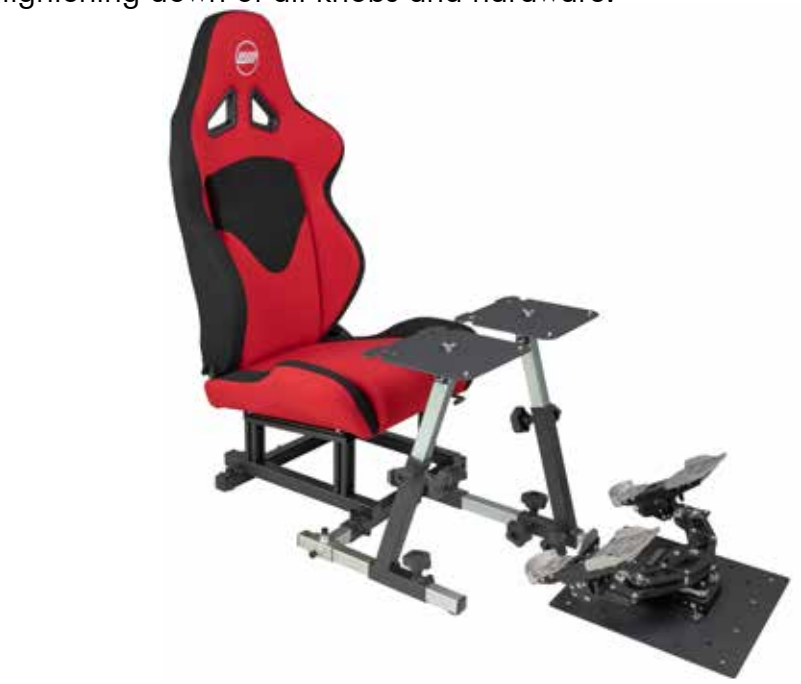
9. Slide quadrant post to horizontal shaft in opposite direction of the yoke post holding the Yoke. Horizontal shaft with felt pad is pointing forward. Slide horizontal shaft into T extension tube. Tighten all bolts and knobs.







10. Insert yoke and quadrant shafts into each post. Ensure pivot bolt of each plate is fastened enough to hold the weight of the control. Keep pivot brackets slightly loose for tilt adjustment before final setting and tightening down of all knobs and hardware.



Controls installation and mounting

⚠ By default pre-assembled hardware on throttle plate is for Honeycomb Bravo quadrant. Remove center bolt and pair of nuts from plate if Honeycomb throttle is not being used.

Thrustmaster TCA Boeing throttle installation

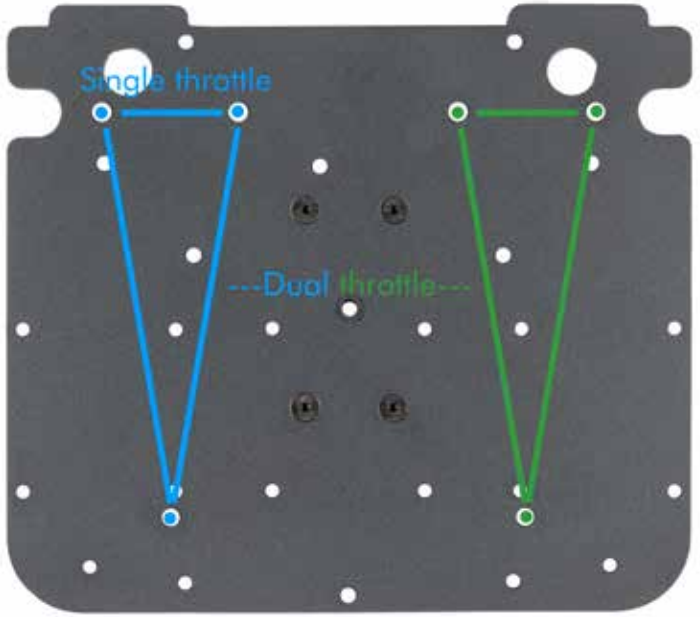
Single throttle



Dual throttle



5.1. Use left sets of holes for single throttle or both sets of holes for dual throttle. Use mountina hardware baa 10C.



Honeycomb Bravo throttle installation



1.1. Transfer controls from factory plastic plate to SimFab aluminum plate. Mounting principal is the same as factory plate.

1.3. Slide quadrant on the plate with centered mounted bolt/washer fitting into the control center key way.

1.4. Extend tension wheels until they nest into pre-assembled nuts to plate. Adjust both wheels equally until plates are secured to the control.



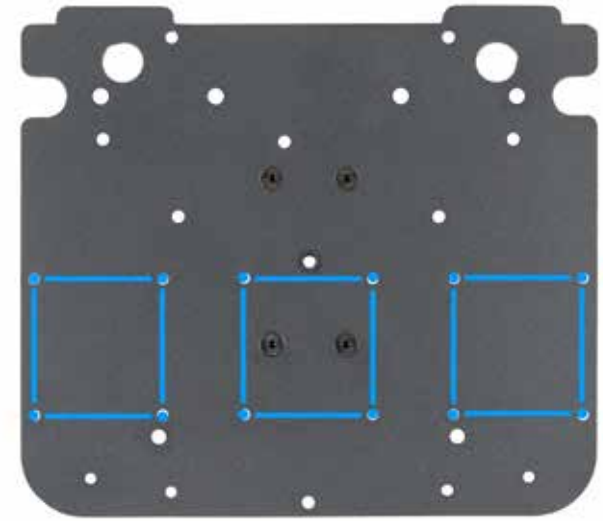


Logitech/Saitek throttle installation

Use selected hardware (four bolts) to secure Logtiech throttles to plate: single, dual or dual with Flight Velocity trim wheel.

⚠ Flip plate, remove all pre-installed hardware for Honeycomb throttle

⚠ Dual quadrants can be mounted next to each other with Flight Velocity trim wheel.



CH Products throttle installation

Remove factory clamps from quadrant.

Install clamps through plate larger holes and tighten them down, pointing towards center of the plate.

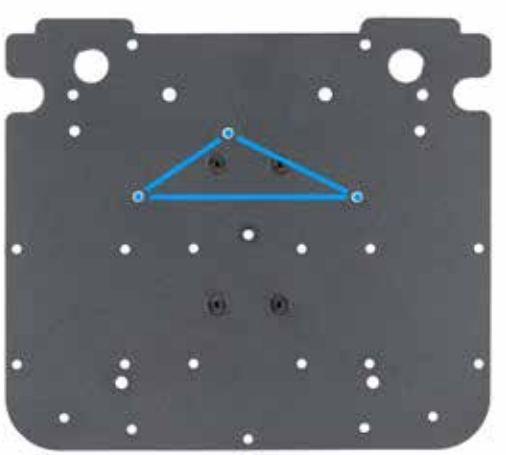




Turtle Beach Velocity One throttle installation



Use selected hardware (three bolts) to secure Velocity One quadrant to plate.



Thrustmaster TCA Boeing yoke installation

Undo yoke factory table clamps all the way out.

Slide in bolts from bag 10D with washers to yoke adapter bracket. Ensure correct direction as shown.

Hand tight both bolts to yoke inserts.





Use included 4mm stubby Allen key to tighten bolts.

Tighten back factory table clamps against adapter bracket, over the bolt heads.



Install C bracket to yoke adapter bracket. Ensure it is all the way in, bottomed out to adapter bracket. Tighten both set screws by using 5mm Allen key.



Install shaft to post. Adjust yoke tilt and tighten pivot bolt and nut by using 17mm open wrench and 8mm Allen key.

Make final adjustments and enjoy the flight.



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













