

Assembly Master Manual
** Racing Seat Assembly*
** Gen3 Chassis Assembly*
And
** Add-on Accessories*



Scan to watch
video

3rd Generation

Assembly video tutorial available at: <https://bit.ly/ow-video>

Assembly instruction manuals available at:

<https://simfab.com/webmanuals.html>

V31.6 GEN3
071026

by **SimFab.com**

WARNINGS:



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



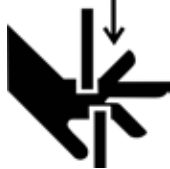
WARNING

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



WARNING

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



WARNING

Team assembly of two persons is recommended.



Install add-on modules and accessories in the following order:

1. If seat frame is disassembled from seat base, install seat lift kit and optional arm rest kit between seat frame and seat base **first**.
 2. Seat base to seat backrest. Refer to master manual.
 3. If seat frame is pre-installed to seat base: Disassemble seat frame from seat base prior installing arm rest kit and seat lift kit.
 4. Gen3 chassis/ Flight sim main chassis
 5. Rudder pedal plate kit (configuration #4)
 6. Yoke and throttle quadrant bracket kit (configuration #5)
 7. Optional universal side mount brackets for side mounted stick & throttle flight controls)
- Flight sim configurations #1 & #2
8. Center mounted flight stick or helicopter cyclic (configurations #3 and #6)
 9. Flight sim configurations #7, 8, 9, 10, 11, 12, 13)
 10. Frame rear support bracket kit.
 11. Keyboard tray kit add-on.
 12. Harness, pillows, shaker brackets.

Congratulations on your new **GEN3** OpenWheeler racing simulator cockpit.

OpenWheeler is now all yours, bringing the best racing experience right to your home! For more detailed information of all the features and endless driving possibilities you can visit our official website at www.SimFab.com Keep checking our online store for great gaming and sim racing deals and offers.

Best regards,

Team HomeRacer
SimFab and OpenWheeler products

Made by enthusiasts for enthusiasts.

 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

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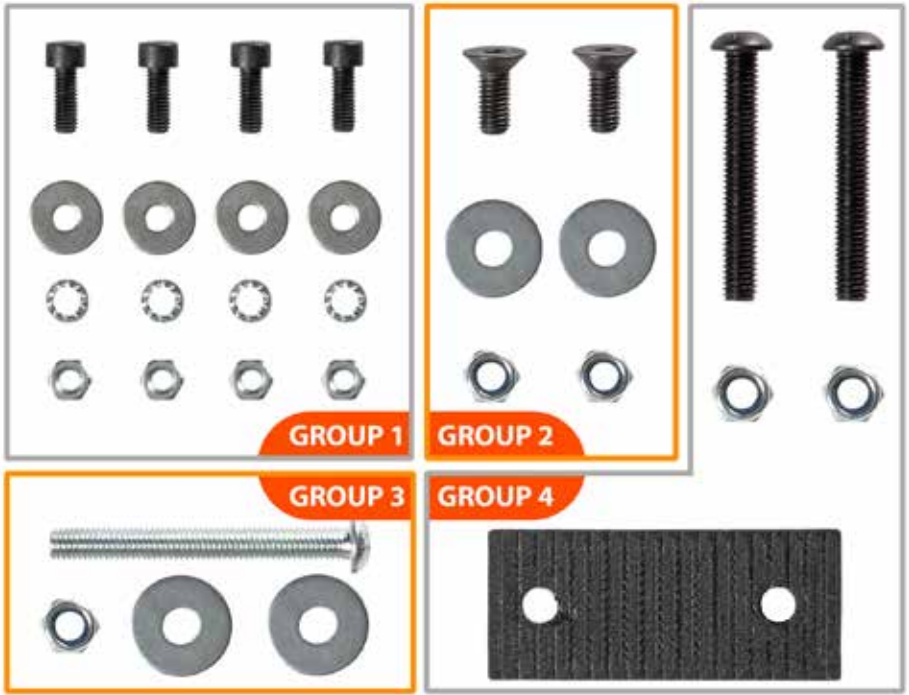
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Parts List

1. Racing Seat with seat frame  **Seat frame is detached from the seat, follow seat lift kit instructions to attach seat lift kit and seat frame at the same time.**
2. Felt pads (4)
3. Main support tube (pre-mounted to seat base frame or detached with seat lift kit included in the package)
4. Lower support bracket
5. Upper support bracket (2)
6. Pedal plate
7. Steering post
8. Steering wheel plate assembly
9. "Easy Roll" wheel set
10. Quick release knobs (6)
 One of eight knobs is pre-installed on seat frame, holding main support tube (part #3)
11. Wrench Set: Open Wrenches: 17mm, 13mm, 10mm
Allen Keys: 8mm, 5mm
 **Keep all wrenches in black pouch for future use on all rest OpenWheeler and SimFab products, and add-on accessories.**
12. Velcro ties (cable management) (6)
13. Hardware: Bags A to G
 Keep extra hardware in its labeled bags for future use.
 - A. Hardware set for pedal plate: **Groups: 1, 2, 3, 4**
 - B. Steering post upper side support knob + optional set screw
 - C. Mounting hardware for pedals and steering wheel
 - D. Additional mounting hardware for Fanatec pedals and steering wheels
 - E. Hardware for "Easy Roll" wheel set and manual shifter lower "L" bracket
 - F. Mounting hardware for Logitech and Thrustmaster shifters
 - G. Mounting hardware for Fanatec shifter



A Pedal Plate Hardware Set



B Steering Post, Upper Side Support Knob + optional set screw



C Pedals And Steering Wheel Mounting Hardware
(Depending on model there may be leftovers)



D Fanatec Wheels & Pedals Additional Mounting Hardware



DD Fanatec CSL DD Wheel Base Additional Mounting Hardware



E "Easy Roll" Wheel Set and Gear Shift Lower "L" Bracket Mounting Hardware



⚠ Seat frame is detached from the seat, follow seat lift kit instructions to attach seat lift kit and seat frame at the same time. Attach felt pads to each corner of seat base frame. Align each pad with welded nuts, towards the end of frame tube as shown.



Fig.1



Fig.2

1. Seat Assembly

- Remove pre-installed pair of recliner mechanism bolts on left side of the backrest and hinge bolt on right side of the seat base.



Fig.3

⚠ Following sequence of assembly steps is crucial for frustration free installation of seat backrest to seat base.

- Align backrest with seat reclining arm on the left side. Hand tight single hinge bolt on right side **first**. Even if left side is not aligned perfectly, focus on aligning right side with single hinge bolt.
- Guide left side of backrest to match either one of the backrest threaded insert with reclining mechanism arm hole and hand tighten bolt.
- Align 2nd threaded insert with recliner arm hole and hand tighten bolt.
- Tighten all 3 bolts by included wrenches.



Fig.4

- 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.



Fig.5

2. Pedal Plate Assembly

- Use hardware from **bag A, group 1** to mount upper support brackets to lower support bracket.
- Match pair of holes on upper brackets with center pair of holes on lower support bracket. Upper bracket goes in front of lower bracket. Ensure brackets are straight and square.

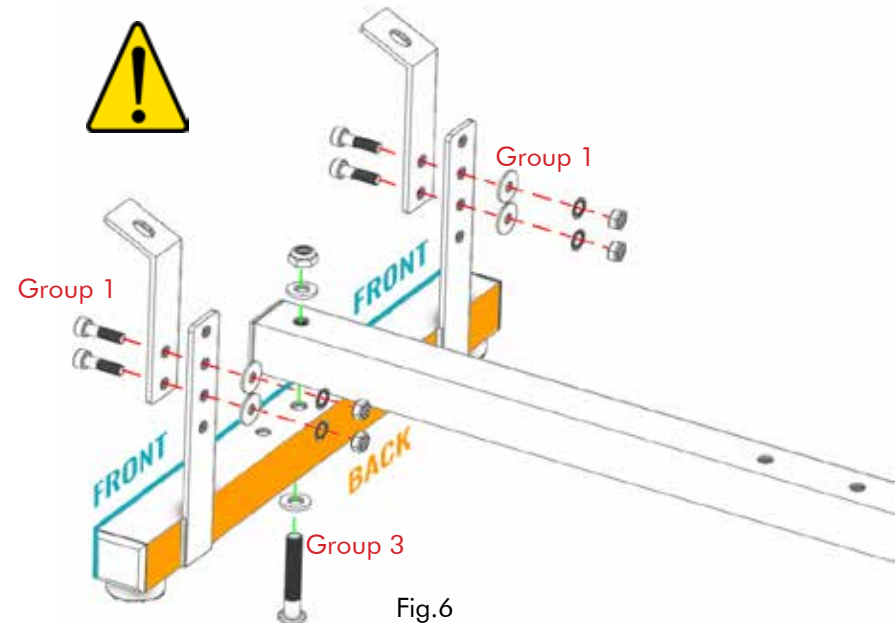


Fig.6

- Tighten down all four bolts with 10mm open wrench and small (5mm) Allen key.



Fig.7

- Use hardware from **Bag A, group 2** to mount upper support brackets to pedal plate. Leave bolts hand tight.

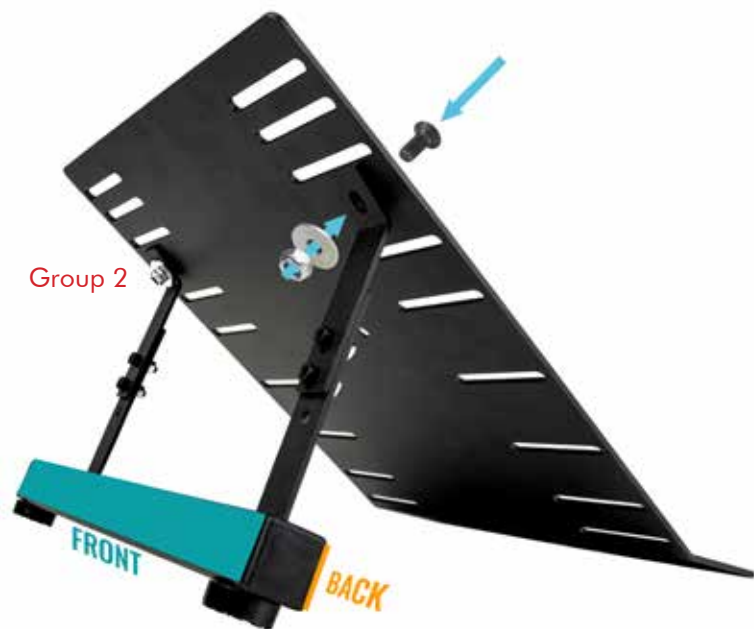


Fig.8

- Use hardware from **Bag A, group 3** to mount main support tube to lower support bracket. Leave bolts hand tight.
- Use hardware from **bag A, group 4** to mount main support tube to pedal plate. Leave bolts hand tight



Fig. 9

- Tighten down all hardware in the following order: **group2**; **group 3**; **group 4** by using 13mm open wrench and small (5mm) Allen key.

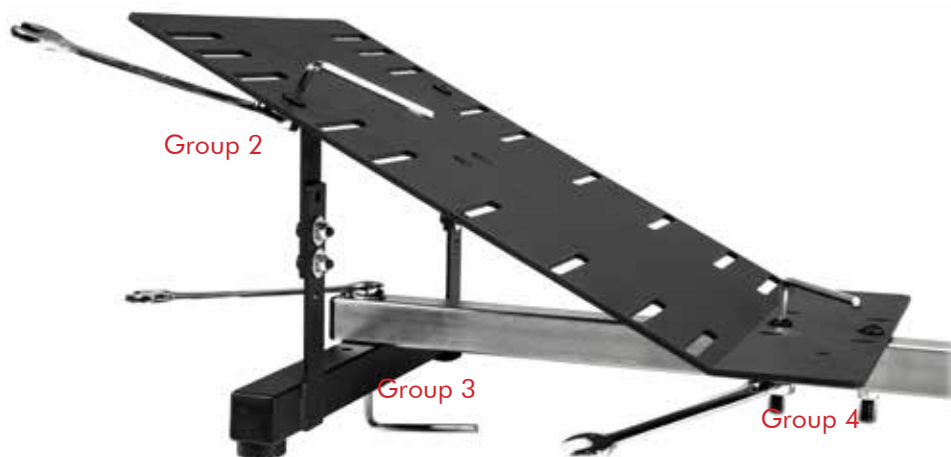


Fig. 10

3. Pedal plate angle adjustment.

- Pedal plate angle adjustment. Pedal plate allows three angle positions: default , -5°, +5°.

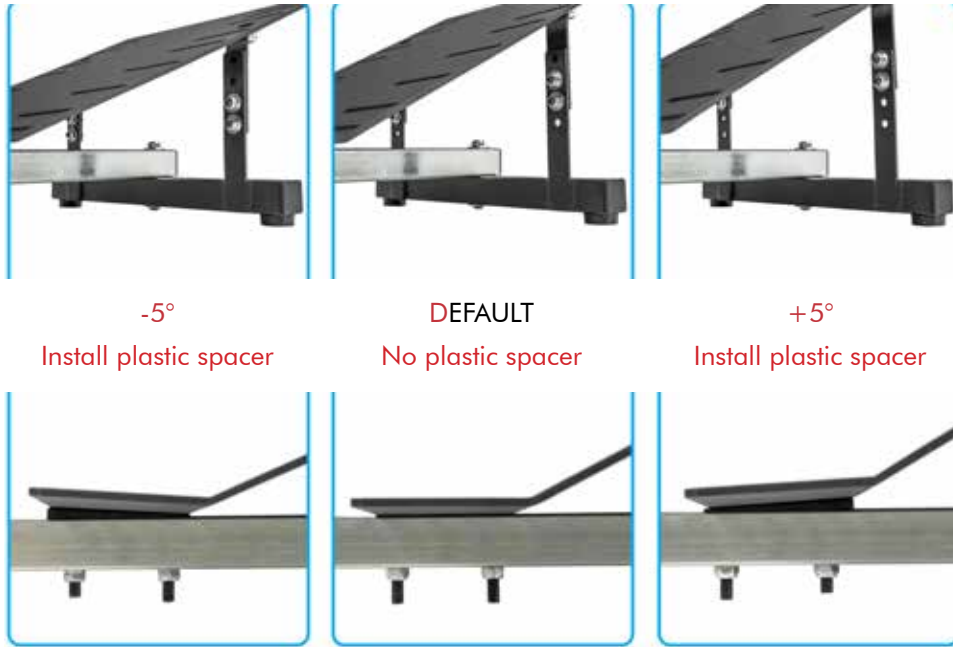


Fig.11

- Adjusting plate to -5°. Remove Hardware **group 4**; Loosen up hardware **group 2**; remove hardware **group 1**. Adjust upper support brackets to lowest pair of matching holes. Reinstall hardware **group 1**; Tighten down **group 2**; Install plastic spacer with matching angle direction. Re-install hardware **group 4**.
- Adjusting plate to +5°. Follow same procedure as lowering angle. Mount plastic spacer opposite direction, according to matching pedal plate angle.

4. Pedal plate offset side adjustment

- Pedal plate allows offsetting pedals to the left for 3 pedal set with clutch where clutch is not used and brake is moved on left side of steering post, accelerator pedal on right side of steering post.
- Pedal plate allows offsetting pedals to the right side when shifting with heel/toe technique. Remove Hardware **group 3** and **4** relocate plate to the left or right.

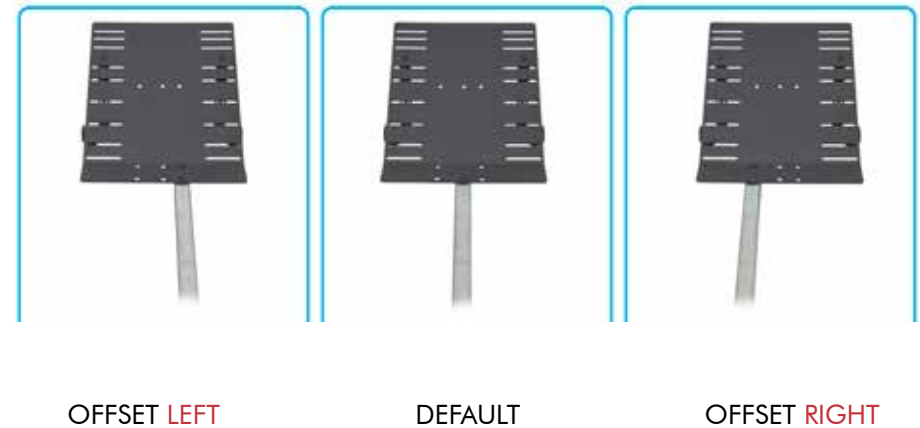


Fig.12

5. Insert steering wheel shaft to steering wheel post. Mount large handle knob and small side support knob (**bag B**) as shown. Optionally substitute small knob with set screw if frequent steering wheel shaft adjustment is not necessary. Use small Allen key to **gently** tighten set screw.



Fig.13

6. Insert steering wheel post to main support tube. Mount large handle knobs to bottom of the steering wheel post as shown.

⚠ Steering post can be installed backwards as personal preference.

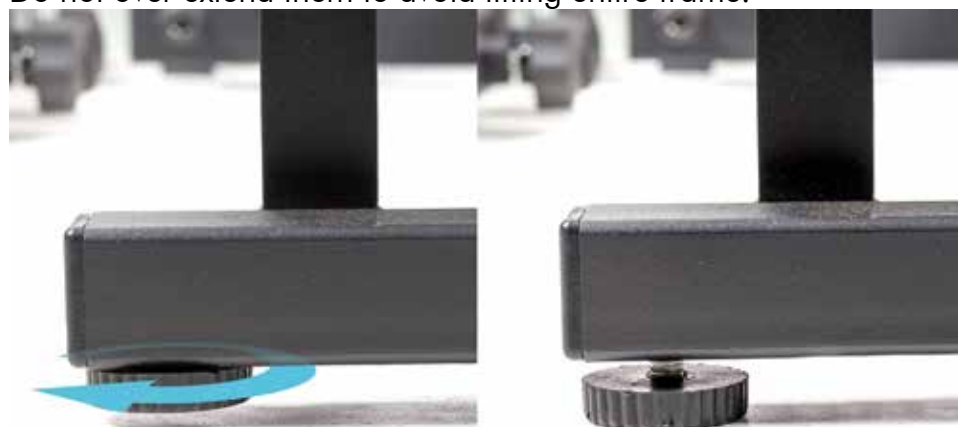


Fig.14



Fig.15

Adjust leveling feet of pedal plate bracket just until they touch floor. Do not over extend them to avoid lifting entire frame.

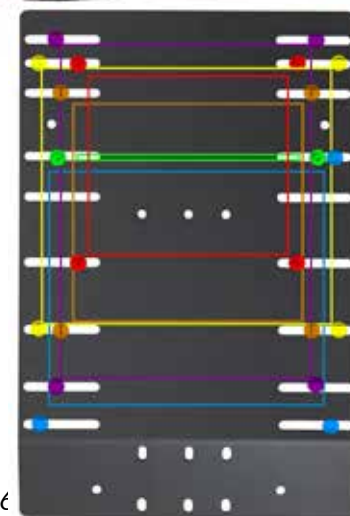


Logitech Thrustmaster
Fanatec CS/CSL/CSL Elite
Thrustmaster 2
Moza CRP
Simagic P1000

8. Use bolts, washers and small Allen key to hard mount pedals to pedal plate (bag C**).**

Pedal Plate mounting pattern.

Fig.16



9. Fanatec CSL and CSL Elite pedals installation

9A. **CSL pedals:** First secure lower side of pedals with pair of bolts from **bag DD** and washers from **bag C**.

⚠ Ensure lower edge of pedal plate covers front bolt head, holding main support tube.



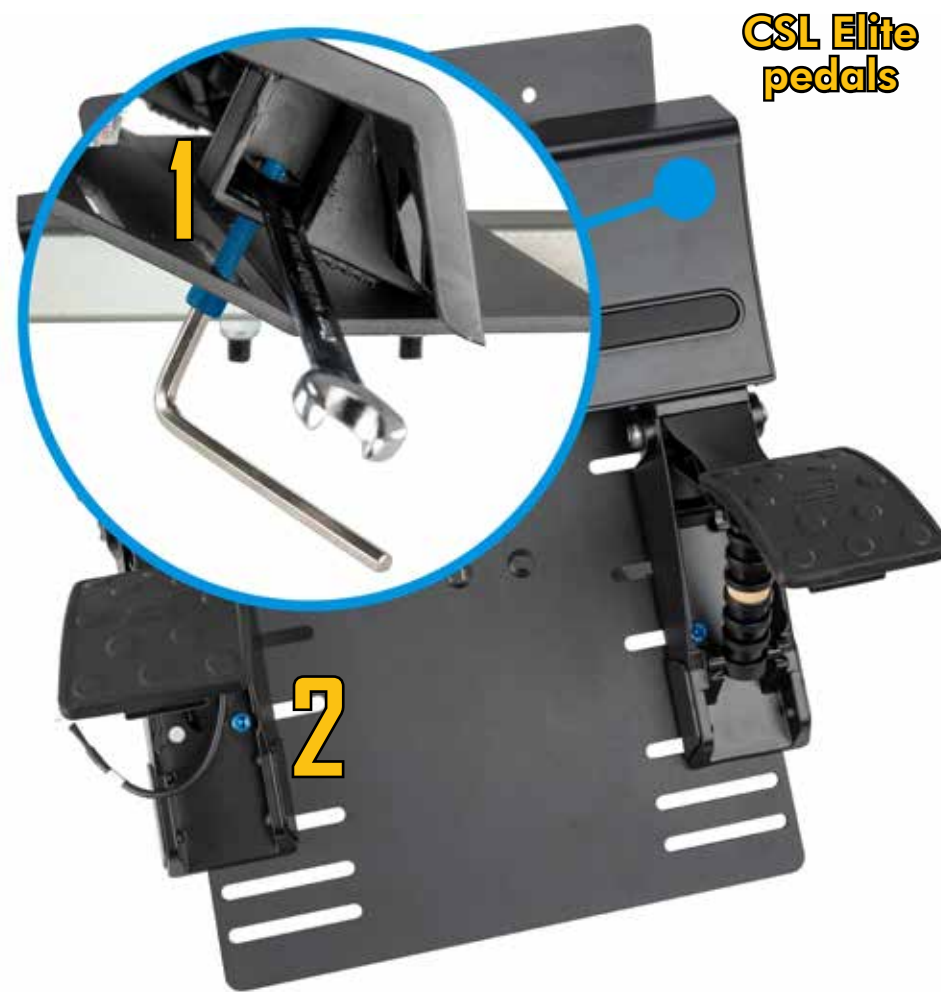
Second, tighten down both lower bolts lightly. ⚠ Do not overtighten bolts to avoid bending the pedal plate.

Third, secure upper side of pedals with pair of bolts, washers and nuts from **bags C and D**. Use washers on both head and nut side.



9B. **CSL Elite pedals:** Repeat same procedure above. Use nut and washer from **Bag C** for lower bolts. ⚠ Do not over tighten bolts to avoid bending the pedal plate.

⚠ Upper side pair of bolt use washers on nut side only.



Steering wheel mounting pattern

Logitech
Logitech Pro
Thrustmaster
Fanatec 1
Fanatec 2
(highly recommended)
Simagic and Moza
Fanatec CSL wheel

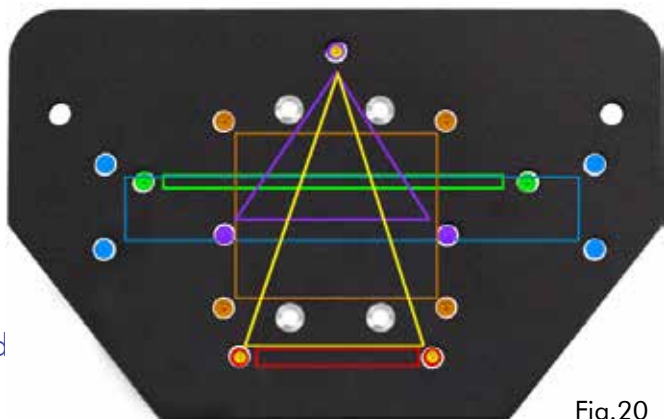


Fig.20

⚠ Please reach out to us to receive updated wheel plate at no additional cost if you own Moza or Simagic wheel and have older version steering wheel plate, not supplied with matching mounting pattern holes.



Fig.21



⚠ For Thrustmaster wheels not supplied with mounting inserts such as: **TMX, T150, Ferrari 458**, use Thrustmaster factory clamp as shown above. For **Fanatec CSL** wheel, remove plastic legs and mount wheel base with three threaded inserts.

Tighten steering wheel plate pivot bolt using large (8mm) Allen key and 17mm combo wrench. Sit comfortably on the seat and make final adjustments before tightening all handle knobs. Wrap cables around none moving tubes with provided Velcro ties.

10. Use bolts, washers and small Allen key to mount steering wheel to steering plate. Use two (2) bolts from (**bag C**) and two (2) short bolts from (**bag D**) to mount Fanatec wheel with wheel base plate (**Fanatec 1**).

⚠ Highly recommended for Fanatec ClubSport wheel: remove factory base plate and mount wheel directly to OpenWheeler wheel plate with three (3) mount pattern (**Fanatec 2**).

10A. Fanatec CLS DD wheel base installation.

Use hardware from bag **D**, labeled as "bag **DD**" and 3 T-slot inserts included in Fanatec CSL DD wheel base package to mount wheel base to wheel plate. Pre-install inserts to bolts by couple turns, using Fanatec 3 hole mounting pattern. Slide inserts to wheel base T-slots. Tighten down all three bolts and proceed with rest of installation.



1.



Fig.22

2.



Fig.23

3.

11. "Easy Roll" wheel set installation. Insert wheel tube into rear side of seat frame until it bottoms out. Secure tubes with pair of bolts from **bag E**.



Fig.24

- 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.



Fig.25

12. (OPTIONAL) Gear shifter mount assembly

*** Additional brands manual shifters and handbrakes mounting kits, not described within this manual are available for purchase. Reach out to us for further inquiries.**

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



Fig.26

- Use flathead screwdriver to wedge out plastic cap from front/side frame tube.



Fig.27

- Insert lower “L” bracket to front/side tube of the seat frame. Install two shifter mount bracket bolts into welded nuts of the frame (**bag E**).



- **Thrustmaster TH8A installation.** Access mounting inserts by removing factory clamp. Use Allen key in (**bag F**) to unscrew three (3) Allen head screws as shown below.



Fig.29

- Use either pair (1 or 2) of mounting inserts as shown below.



Fig.30

- Remove four (4) screws and turn gear plate at 180° whether shifter is mounted in front or behind the upper “L” shifter bracket. Switch button under plate depending on shifting direction.



Fig.31

13. Fanatec ClubSport shifter installation

- Remove front bottom corner caps with 2mm Allen key included in (bag G).



Fig.32

- Slide in T slot bolts from (bag G) into shifter T slots all the way to top side of shifter body.



Fig.33

- Mount upper "L" bracket and hardware in (bag G) in the order as shown below.



Fig. 34

- Slide upper "L" bracket with attached shifter onto lower "L" bracket. Adjust height position and tighten handle knobs. Install back corner caps of shifter body.



Fig. 35

14. Fanatec handbrake add-on

- Remove three (3) screws holding hand brake housing.



Fig.36

- Use provided T slot hardware and screws by Fanatec to mount the handbrake to Fanatec shifter body.



Fig.37

- Remove shifter body corner cap and slide T-slot nuts to t-slot channel as shown below.



Fig. 38

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>

