

**CAROLINA**  
**SIM**  
**WORKS**

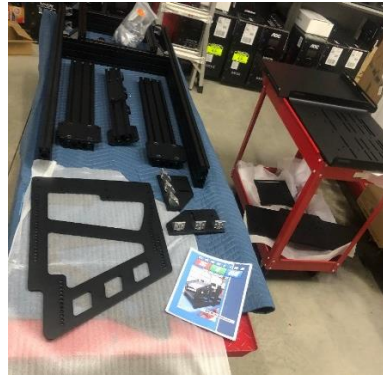


***M1 Sim Chassis***

# ***M1 Sim Chassis Assembly Instructions***

Tools Needed: M8 Allen Wrench, 13MM Adjustable Wrench.

## **1. Unwrap all components and lay out the MAIN Frame on a flat surface**



## **2. Attach Steering Uprights**

Parts: Steering Upright/Shifter Mount Bag, 2 steering uprights



Insert (4) T-Nuts, (2) in the top and (2) in the bottom tracks of the OUTSIDE 55" Extrusion. Slip to the center (About 2 foot from front). Use (4) M8x20 SHCS & (4) Washers to attach through the Plate to attach the Steering Upright to Main Frame.

**Repeat on other side**



## **3. Attach Wheel Deck Sides**

Use (2) M8x20 SHCS, (2) M8 Washers; (2) M8 T-Nut to attach Wheel Deck Side to the INSIDE of the Steering Uprights. Repeat on the other side.

# ***M1 Sim Chassis Assembly Instructions***

## **4. Attach Shifter Mount to Steering Upright**

Parts: Shifter Mount bag, Shifter Mount Assembly




Insert (4) T-Nuts, in the outside tracks of the steering upright on the right side and slide to the middle (About 15 inches from the floor). Use (4) M8x20 SHCS, (4) M8 Washers to attach Shifter mount to the OUTSIDE of the Steering Uprights.



## **5. Attach Shifter Plate**

Use (4) M8x25 SHCS, (4) M8 Nuts (4) M8 Washers to attach the shifter plate  to the Shifter Mount

(Pro-Tip: M1 is designed to easily FIRST attach a shifter to the shifter plate and then install the plate directly onto the shifter mount.)

- You can also attach a hand brake to the outside of the shifter plate.
- Logitech and Thrustmaster ONLY at (1) Shifter Plate  on Top with (4) Standoffs

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## **6. Attach Wheel Deck to Steering Upright**

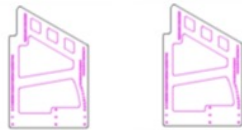
Parts: Wheel Deck Bag and Wheel Deck



- Lay Wheel Deck on the Wheel Deck Sides, use (6) M8x30 SHCS; (6) M8 Washers (6) M8 Nuts to attach both sides of the Wheel Deck to the Wheel Deck Sides



## **7. Attach Pedal Deck**



Parts: Pedal Deck Hardware Bag, (2) Pedal side plates

Insert (4) T-Nuts, (2) in the Bottom and (2) in the middle tracks to line up with the bottom holes on the pedal plates INSIDE the 55" Extrusion on the Main Frame. Slide (2) t-Nuts about 18 inches toward center of the frame and (2) T-Nuts at the front. Position the Pedal Side Plate on the inside of the frame so that the top of the Pedal side plate slants up toward the wheel deck. Use (2) M8x20 SHCS & (4) Washers to attach through the pedal side plate to attach to Main Frame. Side Pedal Side Plates FLUSH to the front and tighten. Repeat on the other side.



### **For Floor Mount Pedals:**



Attach **Slotted Pedal Deck**

Lower the Slotted Pedal Deck down with the front rounded down in between the pedal side plates onto the M8 nuts that attached the pedal side plates. Lift each side and attach all 4 corners through the pedal side plates using (4) M8x30 SHCS, (4) M8 Washers and (4) M8 Nuts. If holes don't line up – check the side pedal plates that they are FLUSH to the top; then use the many holes to adjust to your preferred height and angle.



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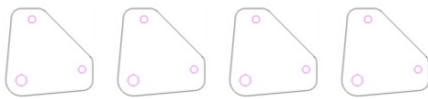
Attach M1 Solid Pedal Plate

Hold the M1 Solid Pedal Plate at the top of the pedal side plates. Attach all 4 corners through the pedal side plates and into the slots of the M1 Solid Pedal Plate using (4) M8x25 SHCS, (4) M8 Washers and (4) M8 Nuts.

**For Top Mount Pedals:** Simply, reverse the location of the Slotted Pedal Deck and the M1 Solid Pedal Plate.

## **8. Attach the Feet:**

Parts Needed: (4) Foot Plates with (4) Leveling Feet



Foot Pedal Bag



Twist the Nut on each of the (4) leveling feet half-way down. Hold the M1 on its side and have a friend insert (2) T-Nuts to the underside track of the 55" Extrusion. Slip in. Use (2) M8x20 SHCS to attached foot plate using the (2) smaller holes with the larger hole facing out. Insert the leveling foot and add (1) M12 Finished Jam Nut on top. Repeat on all 4 sides. Use a wrench to adjust to level.

## **9. Tap in all end caps and angle bracket covers to finish off the edges.**

- After you mount your preferred seat, get in and enjoy the endless easy adjustments available to make the M1 a custom fit for your needs. Just keep an M8 Allen wrench ready for quick adjustments.

- Optional Seats and Mounts:

Visit <https://carolina-sim-works-llc.myshopify.com/> if you need Seat options or Sliders and Mounts.

Questions??? [Angela@carolinasimworks.com](mailto:Angela@carolinasimworks.com) I can help through email or facetime! ENJOY!