simrig

# INSTALLATION GUIDE

FANATEC CLUBSPORT ASSEMBLY KIT

EN

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# 1 Assembly

Visit **www.simrig.se** for the latest instructions.

## 1.1 What you need

- Tape measure
- Metric Allen/hex keys suitable for the supplied hardware
- Stable supports to raise the rig (for example sturdy stools or saw horses)
- A friend is recommended when lifting or repositioning the rig

## 1.2 Measurements

All measurements are metric unless otherwise noted.

## 1.3 Before you start

Always disconnect mains power from the power supply prior to assembly or disassembly.

Always disconnect USB from the ECU prior to assembly or disassembly.

**IMPORTANT: Follow the installation order in this guide. The plastic top brackets must be placed on the 40x80 base profiles before the profiles are bolted to the Fanatec rig. Otherwise the profiles will need to be removed again.**

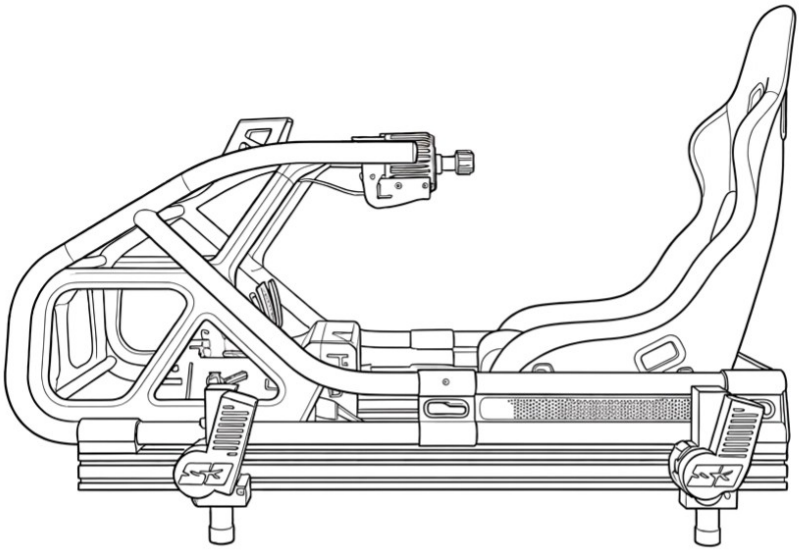


Figure 1: Fanatec ClubSport rig with the SIMRIG motion system installed.

## 1.4 Lift and support the rig

Lift the rig and place it on stable supports so that you have approximately 300 mm (30 cm) of free space beneath the frame. A sturdy support at the front and rear is normally sufficient, provided the rig is stable and cannot slip or tip.

**Do not work beneath the rig until you are satisfied that it is securely supported.**



Figure 2: Example of the rig raised to provide access underneath.

### 1.5 Prepare the two base profiles

Place the two 40x80x1500 mm aluminium profiles on the floor next to the rig. Make sure the countersunk holes face downward, towards the floor. The M6x80 screws will later enter from this side.

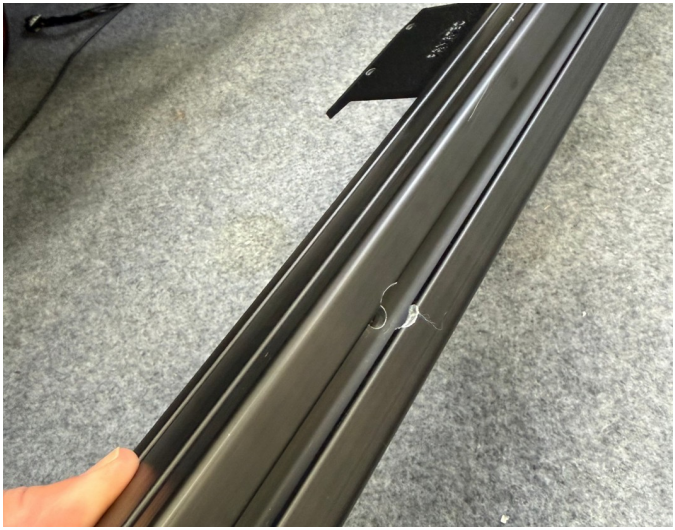


Figure 3: The countersunk side of each 40x80 base profile must face downward.

### 1.6 Position the plastic top brackets

**Complete this step before bolting the 40x80 profiles to the rig.**

Slide the plastic top brackets onto the base profiles and position them as follows. Measure from the end of the aluminium profile to the nearest edge of the bracket:

- Front bracket: 260 mm (26 cm) from the front end.
- Rear bracket: 145 mm (14.5 cm) from the rear end.

Repeat on both base profiles. The upright face of every plastic bracket must face outward, away from the center of the rig.



Front bracket – 260 mm from the front.



Rear bracket – 145 mm from the rear.

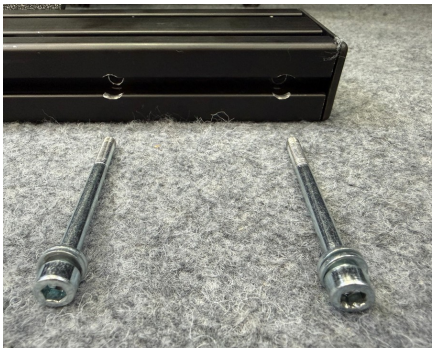
Figure 4: Position of the front and rear plastic top brackets.

Before continuing, check all four brackets: correct measurement, bracket facing outward, and positioned on the profile before the profile is attached to the rig.

### 1.7 Bolt the base profiles to the rig

Raise each 40x80 profile into position beneath the Fanatec base. Align the countersunk holes in the profile with the M6 mounting holes in the Fanatec base.

Use the 8 supplied M6x80 screws. Each screw must be fitted with two washers.



M6x80 screws.



M6 mounting holes in the Fanatec base.

Figure 5: Hardware and mounting holes used to attach the base profiles.

> Leave all 8 screws loosely attached until every screw has found the correct thread.
>
> When all screws are correctly started and both profiles are aligned, tighten all 8 screws.

At this point both 40x80 base profiles should be firmly attached to the Fanatec rig.

### 1.8 Install the 40x80 ECU cross-profile

Once both 40x80 base profiles are installed and tightened, install the 40x80 aluminium cross-profile between them beneath the seat. The 40x80 profile is supplied with the motion system.

Fasten the cross-profile in the upper of the two slots using the 90-degree angle brackets. Position it as far forward as practical while keeping it completely beneath the seat, where it cannot be hit or interfere with the rig.

The fit is intentionally slightly loose. The cross-profile carries no rig weight; its purpose is to position the *Electronic Control Unit* (ECU) so that the actuator cables can reach all four actuators.

> Leave the cross-profile slightly loose at first. Adjust its final position after the actuators are installed and you have confirmed that all four actuator cables reach comfortably.

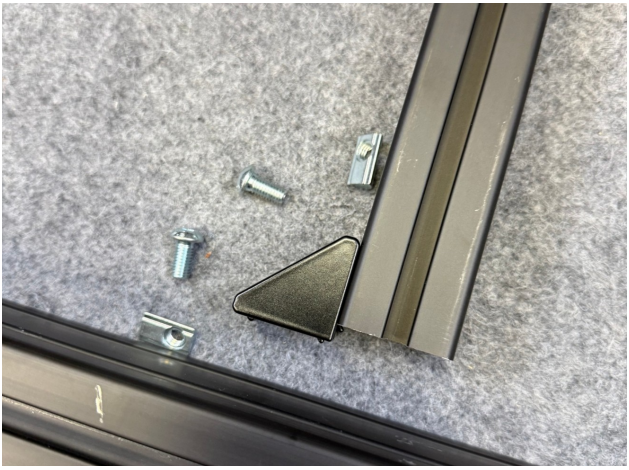


Figure 6: Hardware used to install the 40x80 ECU cross-profile between the two base profiles.

## 1.9 Install the rear 40x80 profile

Once the two 40x80 base profiles and the 40x80 aluminium ECU cross-profile are installed, install the rear 40x80 profile. The rear profile is supplied with the motion system. It improves stability and allows the SIMRIG Belt Module to be mounted to the rig without additional custom brackets.

Fasten the rear profile in the upper and lower slots using four 90-degree angle brackets in total. Position it flush with the ends of the base profiles.

A small amount of play is intentional. The rear profile does not carry any rig weight; it is intended for mounting the SIMRIG Belt Module later.

| |
|---|
| Leave the rear profile slightly loose until its final alignment. |

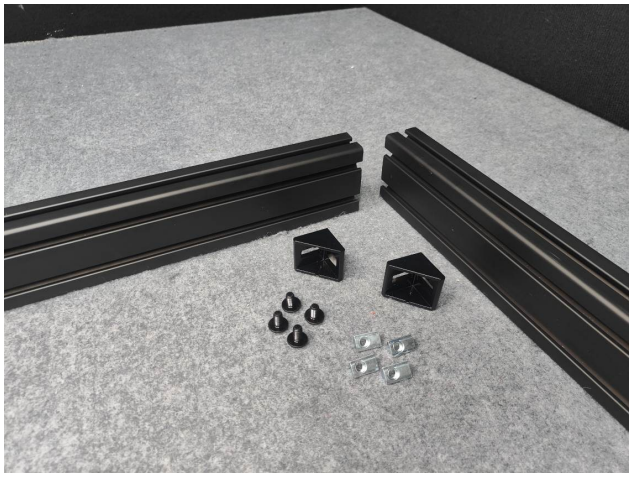


Figure 7: Hardware used to install the rear 40x80 profile between the two base profiles.

## 1.10 Continue with the standard motion-system installation

The Fanatec ClubSport base-profile installation is now complete. Continue with the actuator installation, electrical connections, cable management and setup using the standard *SIMRIG SR1/SR2/SR3 User Manual* included with the motion system.

When the actuators are installed, return to the 40x80 ECU cross-profile (Section 1.8) and adjust its position if necessary before tightening the angle brackets.




Figure 8: Example of a completed Fanatec ClubSport installation with the SIMRIG motion system fitted.

### Quick check before continuing

- Both 40x80 base profiles are firmly attached to the rig.
- The countersunk holes face downward.
- All four plastic top brackets face outward.
- Front brackets are positioned 260 mm from the front; rear brackets 145 mm from the rear.
- All 8 M6x80 screws are installed with two washers each.
- The 40x80 ECU cross-profile is beneath the seat and positioned so that all actuator cables can reach.
- The rear 40x80 profile is flush with the ends of the base profiles.