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Carbon chassis conversion kit for Yokomo YD2 z /YD2SX3.

Carbon chassis conversion kit for Yokomo YD2-z or Yokomo D2SX3
This kit is a carbon conversion kit for Yokomo YD2z or YD2SX3.

If you use with YD2z basic kit, you need Yokomo's Genuine optional parts.

- The light weight slide rack sets for YD-2Z (item No Y2-202SZ)
(recommended)

If you use with YD2 SX3 kit, you need Yokomo's Genuine optional parts.

- YD2z Transmission case (Item No Y2-302Z), Motormount (Item No Y2-304Z), etc.

This kit has an ideal box structure provides high rigidity also use with the high engineering plastic material together, flexibility can easily optimize depends on the traction, tire grips. Adjustability of the chassis' center of gravity resulting in a realistic feeling when operating.

このキットは yokomo YD2Z 或いは、YD2-SX3 用カーボンコンバージョンキットです。

YD2Z で利用するには、Light weight slide rack set for YD-2Z (Item No Y2-202SZ) が別途必要です。

(推奨)

YD2-SX3 からコンバートする場合は、YD2-Z 用ギアケース Transmission case (Item No Y2-302Z) と Motermount (Item No Y2-304Z)、等が必要です。

バッテリーの位置や、モーターのマウント位置を調整することで、自由に車体の重心を調整することが可能です。



別売りのプラスチック製シャーシパーツとカーボンシャーシを組み合わせることによって、自在にシャーシ全体の柔軟さを調整することが可能です。

3分割ローアデッキによるロールセンターの最適化を実現しました。東レ製 3K カーボンと、オランダ製のエンジニアリングプラスチックシャーシを好みに応じて組み合わせることによって、路面やグリップに合わせた最適な剛性を作ることが可能です。

高精度なダンパーと組み合わせるには最適なシャーシキットです。

Feature

- -Designed for 1/10th scale Yokomo YD2Z or YD2SX3
- -No drilling or modification of original parts is necessary.
- -High center of gravity
- Slide battery tray for setting your suitable vehicle CG (Shorty type battery)
- -Toray 3k high quality carbon plating.
- Chose chassis material, you can setup chassis flexibility
- The best chassis for precise oil damper
- Front Hardpoint for interior detail up
- Rear Hardpoint for active toe, multilink Suspension etc.

What is contained in this kit?

No	ItemName	material	Qty	Note
chyd2z_01	Batteryplate	Toray Carbon	1	
chyd2z_02	Centerframe	Toray Carbon	1	
chyd2z_03	Frontframe	Toray Carbon	1	
chyd2z_04	Rearframe	Toray Carbon	1	
chyd2z_05	Servoholder	Toray Carbon	1	
chyd2z_06	Sideframe	Toray Carbon	2	
chyd2z_07	Upperdeck	Toray Carbon	1	
chyd2z_08	Centerframe	Colorfabb HT	1	option
chyd2z_09	Frontframe	Colorfabb HT	1	option
chyd2z_10	Rearframe	Colorfabb HT	1	option
chyd2z_11	Servoholder	Colorfabb HT	1	option
chyd2z_12	Sideframe	Colorfabb HT	2	option
chyd2z_13	Upperdeck	Colorfabb HT	1	option
chyd2z_14	ESCBase	Colorfabb HT	1	
chyd2z_15	ESCplate	Colorfabb HT	1	
chyd2z_16	Servoclip	Colorfabb HT	1	
chyd2z_17	Batteryplatebase	Colorfabb HT	1	
chyd2z_18	Battery fixknob	Colorfabb HT	2	
chyd2z_19	M3*2mmSpacer	Colorfabb HT	3	
chyd2z_20	M3*9mmSpacer	Colorfabb HT	2	
chyd2z_21	Standoff 30mm	Alu	3	
chyd2z_22	Standoff 35mm	Alu	4	
chyd2z_23	M3*45mmscrew		1	
chyd2z_24	M3*6bottonscrew		10	
chyd2z_25	M3*8Countersunkscrew		8	
chyd2z_26	M3nylon nut		1	
chyd2z_27	M3*6Countersunkscrew		12	
chyd2z_28	M3 pressfitnut		8	4forGlystalchassis
chyd2z_29	M3Nut		2	
chyd2z_30	M3*10 bottonScrew		2	

What we need to assemble

Clamp, Hammer, hex drivers

クランプ、ハンマー、hex ドライバー



Construction manual

1,

Build the upper deck and side frame. Use 2 pieces of cardboard as a barrier between the clamp and carbon to protect the carbon. Align the top deck tabs to the corresponding holes on the side frame and use the clamp to carefully tighten them into place (refer to pictures for correct orientation.) .
Secure frame with the 3x 35 mm standoffs and 6x m3 button screws.

When assembling the chassis, **don't use epoxy glue!**

アップアーデッキの組み立て。カーボンに傷がつかないように、厚紙などでパイスのあたる面を保護します。シャーシの組み立てで、エポキシ接着剤を使う必要はありません。



Peace of card board to prevent scratch damage.



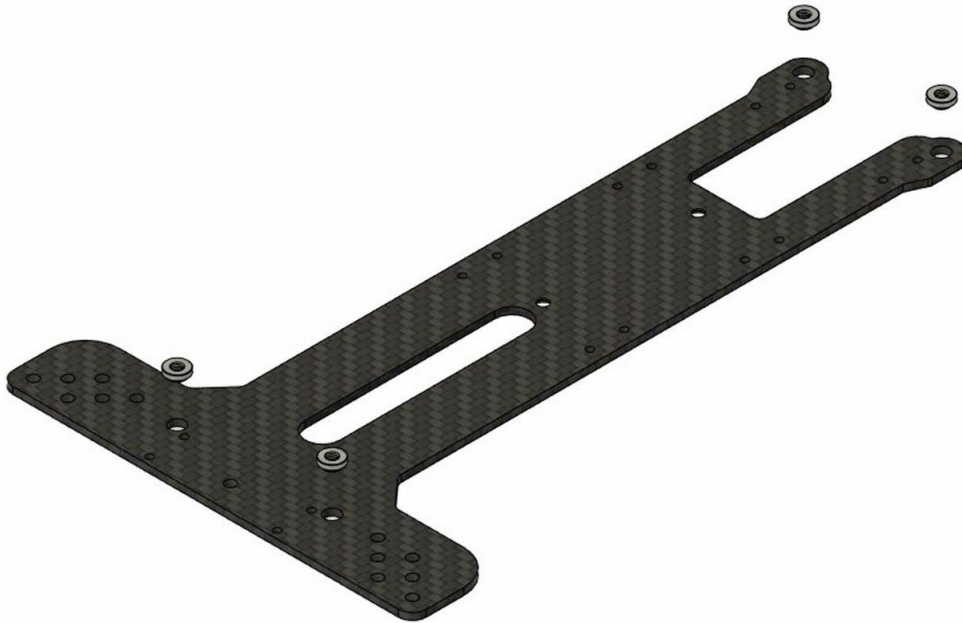
(this is sample image)

Tighten up the gantry, and then connect it with 35mm stand off,M3*6 Button Screw.

ゆっくりと確実に圧力をかけてサイドフレームとアッパーデッキをはめ込みます。

2, Chassis build

Carbon bottom chassis assemble. If you use Plastic frame parts only, you can also ride without any problem. You can assemble Carbon and plastic parts together, and optimize suitable flexibility that you want .



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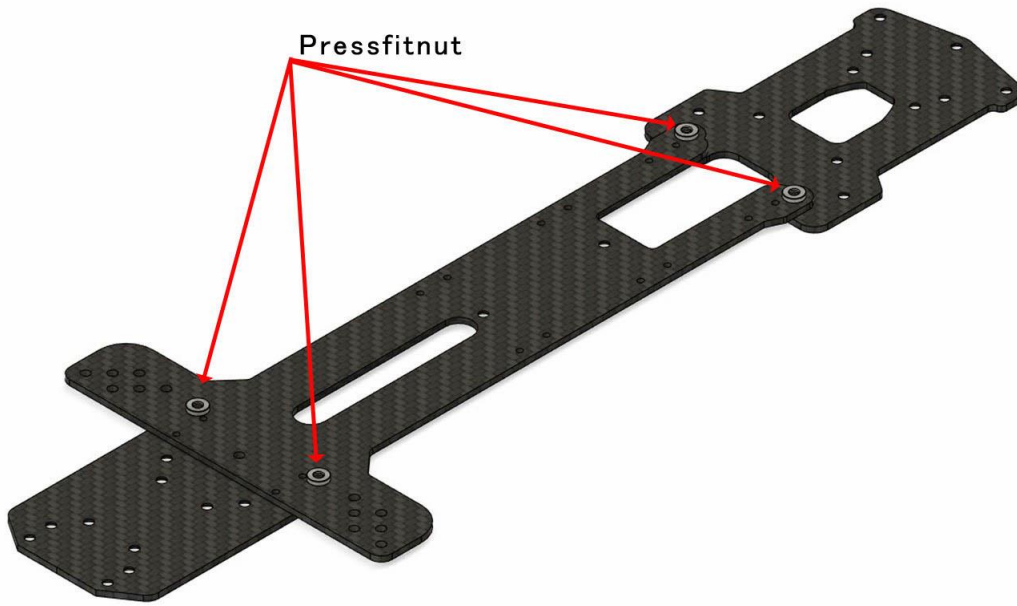
How to insert Pressfit Nut



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Use the hammer to penetrate the press-fit nut.
プレスナットは上側に取り付けます。

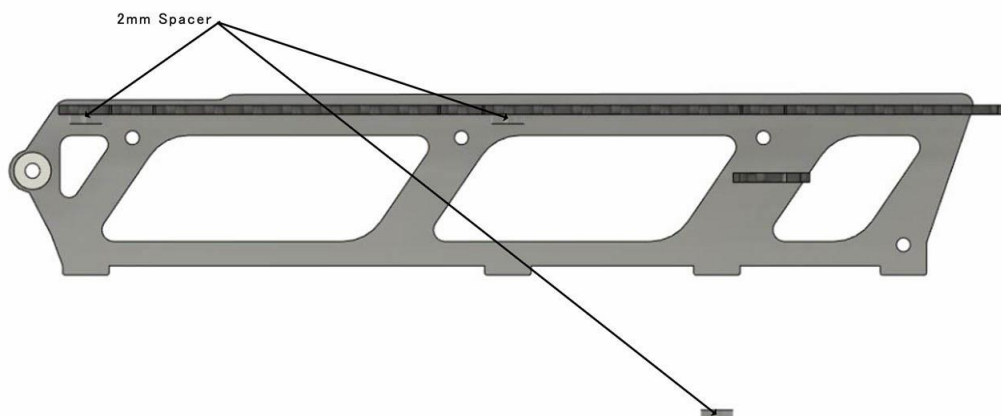
Assemble rear and front plate with M3*6countersunkscrew.



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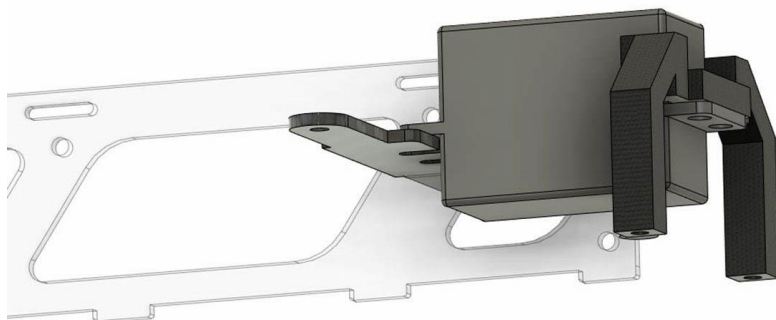


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Place a 2 mm spacer between the upper deck and the 30 mm stand off.

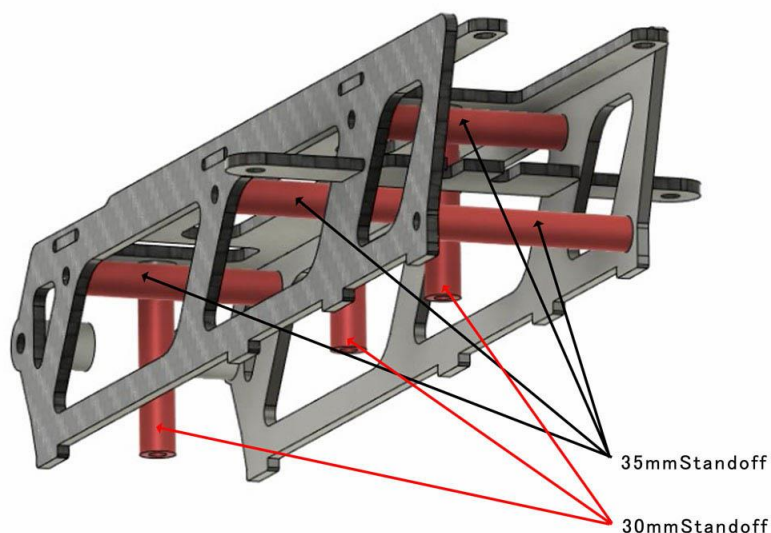


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Please check the servo mount tab position.



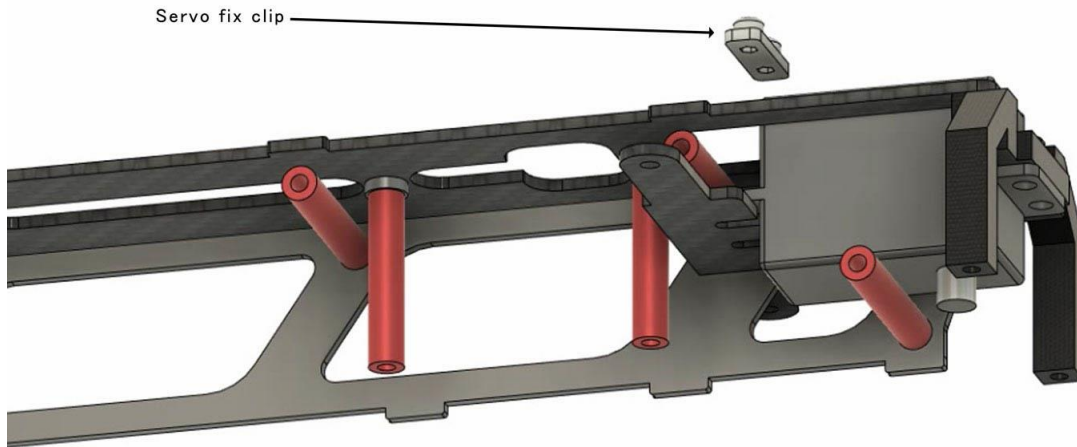
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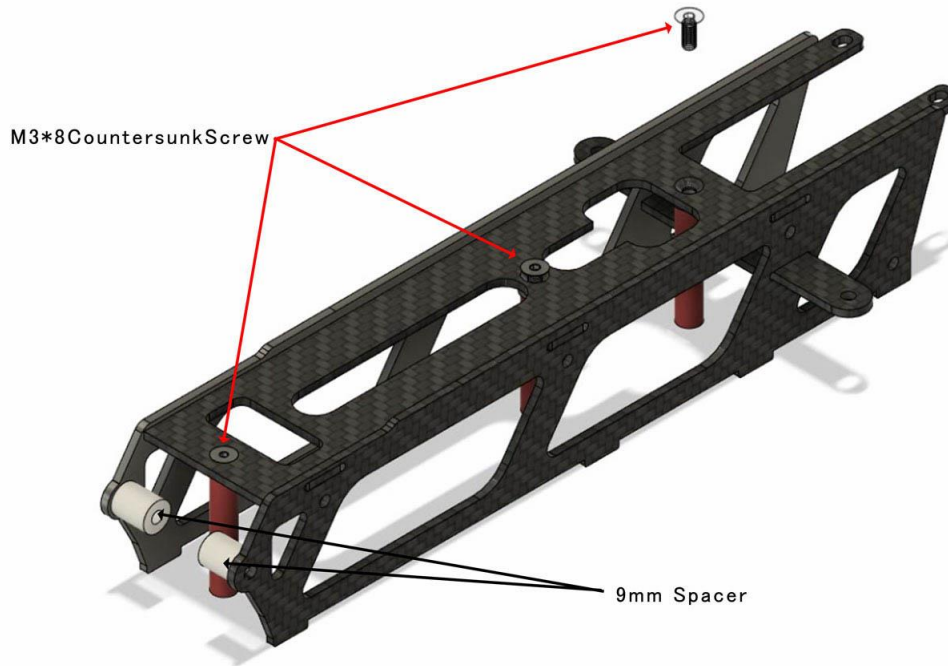
-Install steering servo on upper deck in the same orientation as the original chassis.
Install the receiver and gyro on the bottom deck with double sided tape (you can install the receiver and gyro on the top deck, but it will limit your placement options of the battery tray).

ステアリングサーボをインストールし、受信機、ジャイロを両面テープで適切な場所に固定します。



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Fix Steering servo with servo fix clip and M3*10 screw.



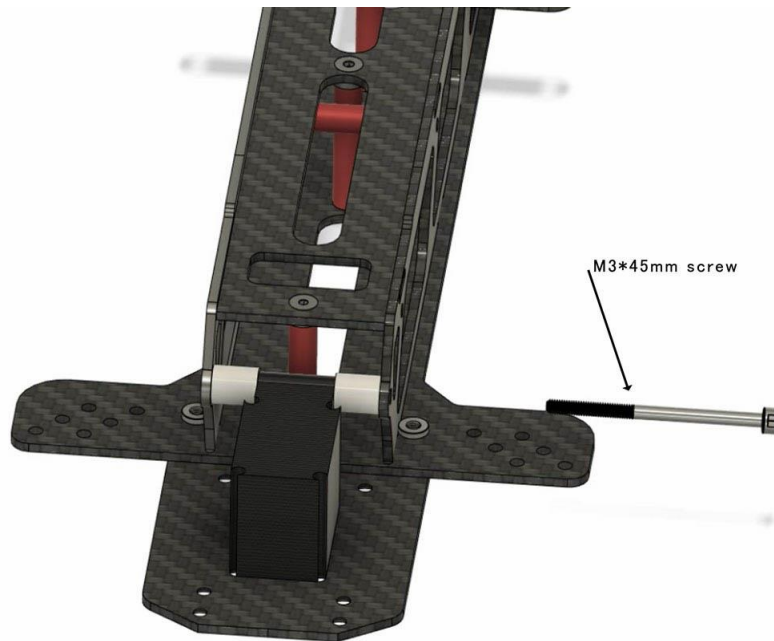
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-Connect assembled upper deck and side frame to the bottom deck with 6x 3*8 flat head screws (make sure your gyro and receiver are installed to bottom deck before).

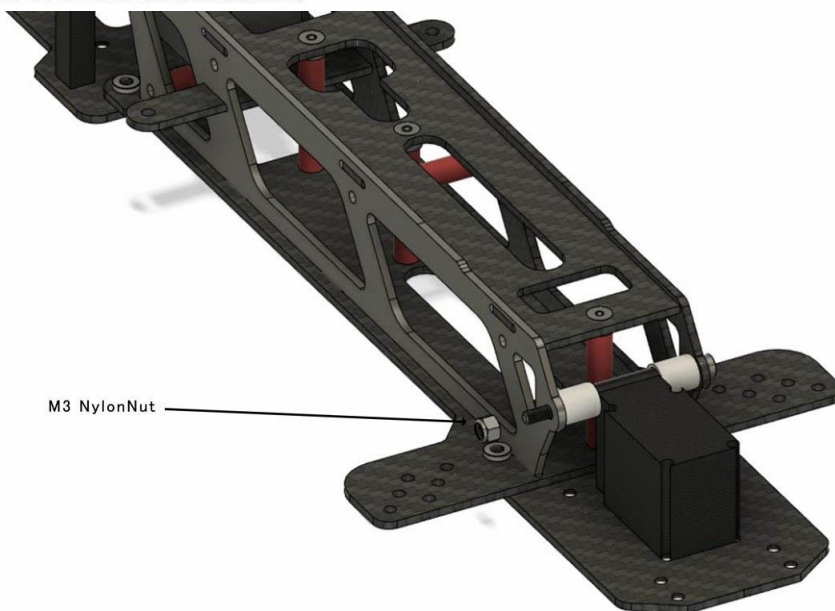
その後、アッパーデッキを固定します。



Use the service hole to adjust a Gyro



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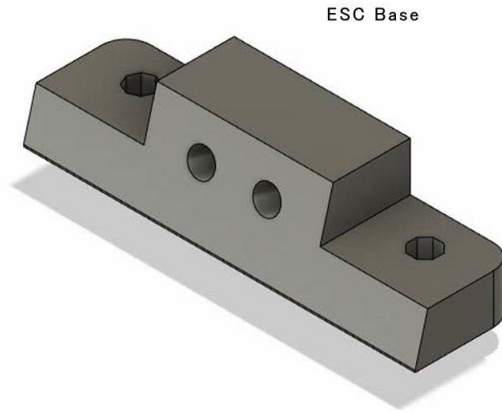


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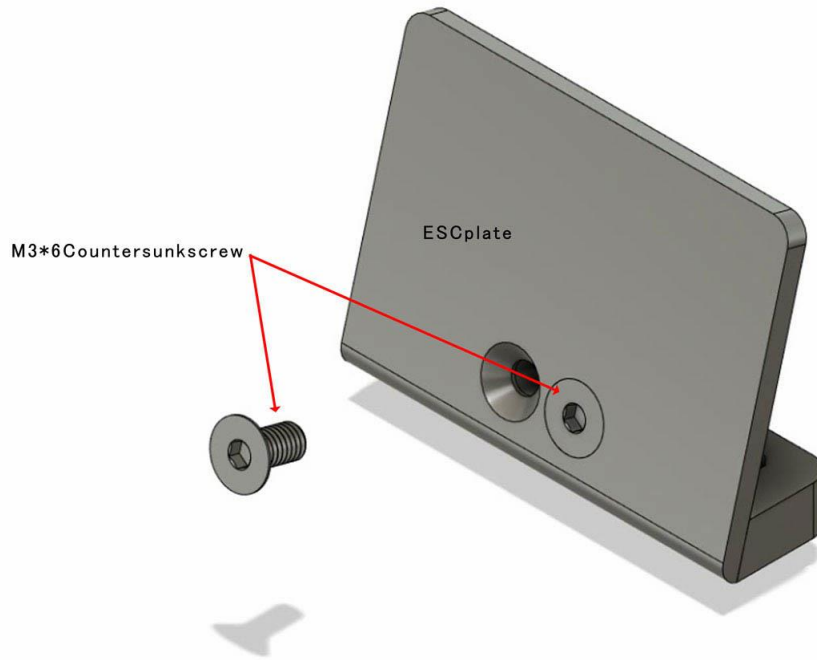
After connecting the upper and bottom deck slightly loosen all the screws and check that the body doesn't have any distortion or misalignments, then tighten again.

上下のシャーシが一体化した後、すべてのシャーシのスクリューを一度緩めて、シャーシに歪がないことを確認した後、すべてのスクリューを慎重に締めます。

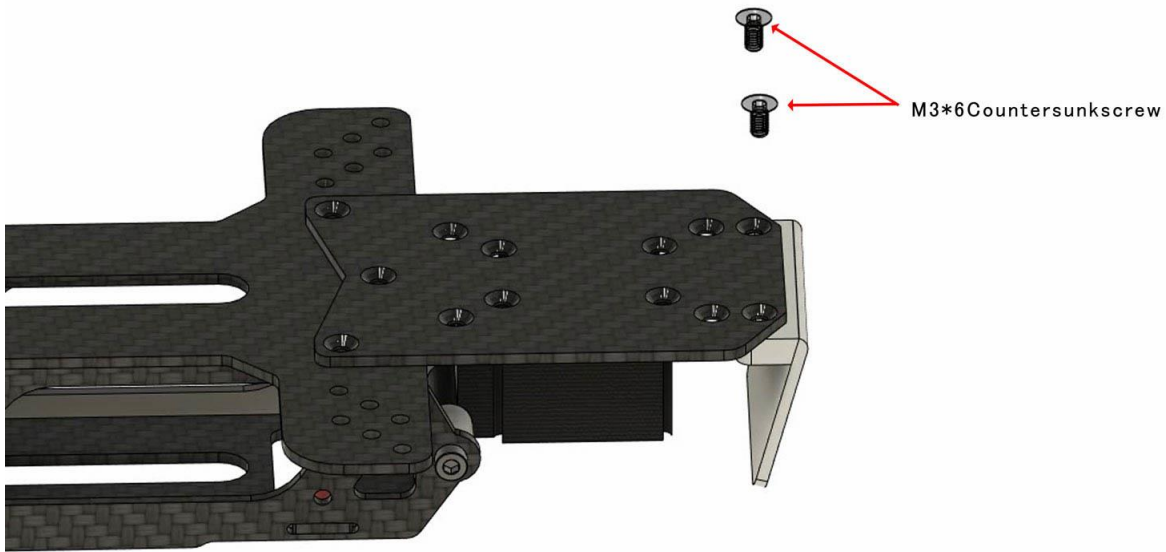
3 ESCmount assemble



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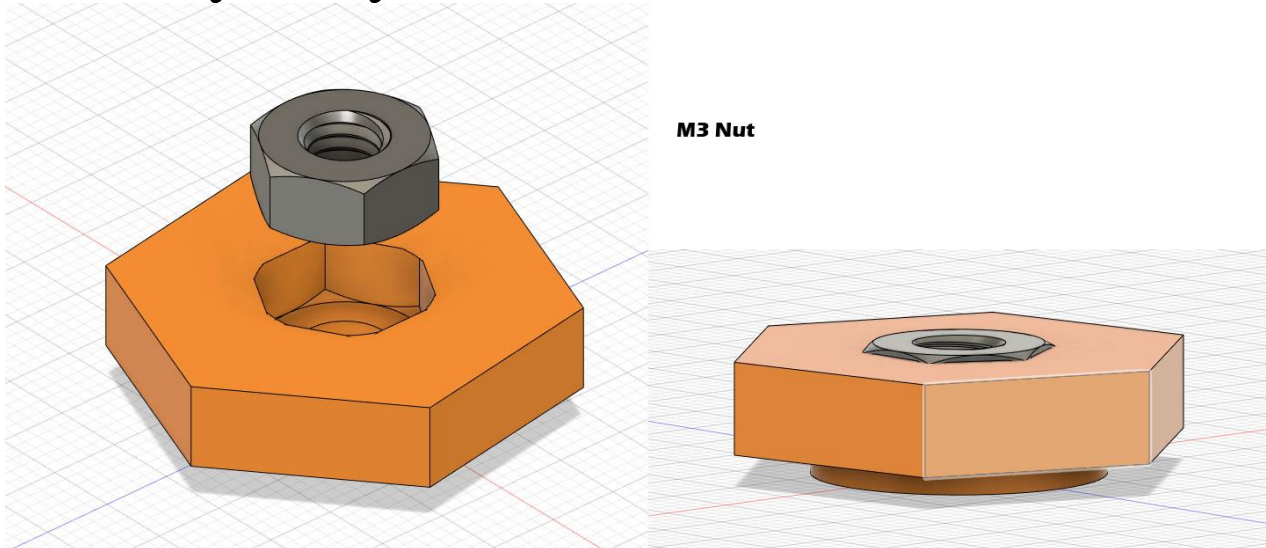


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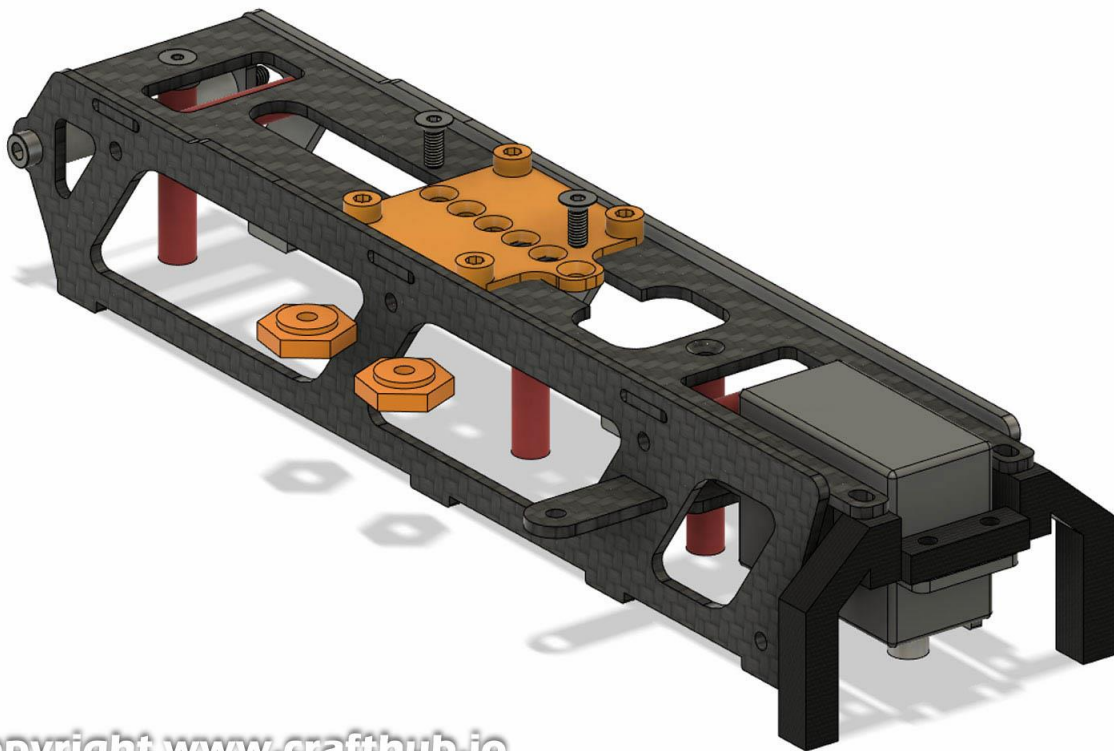
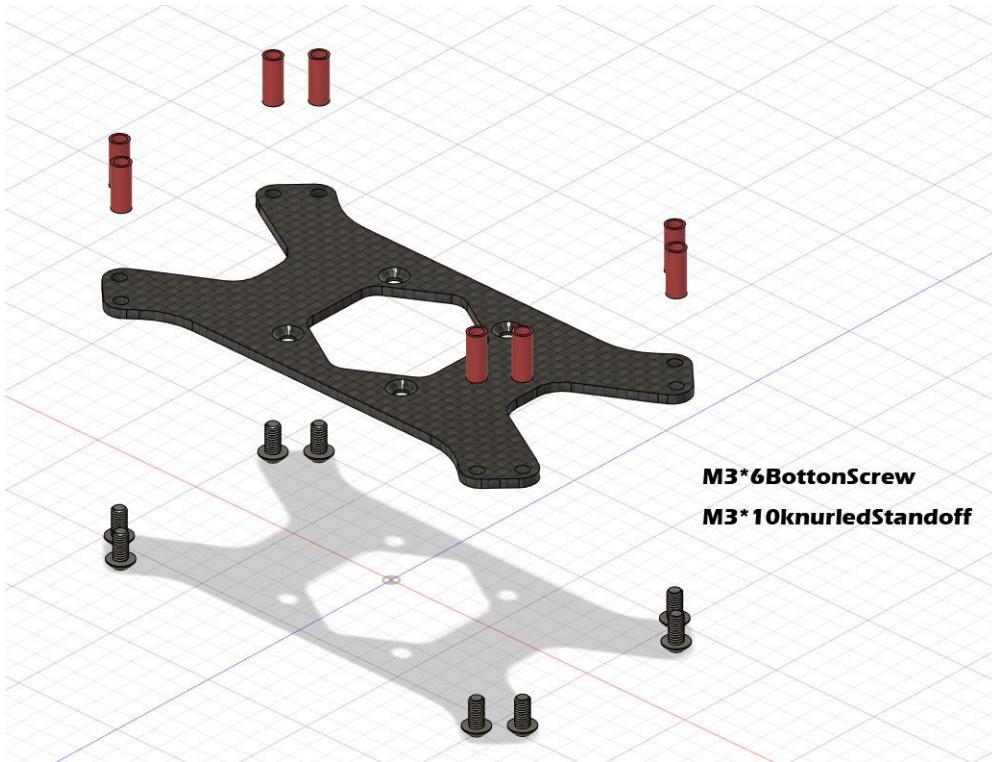
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4 Battery Toray/Mount base

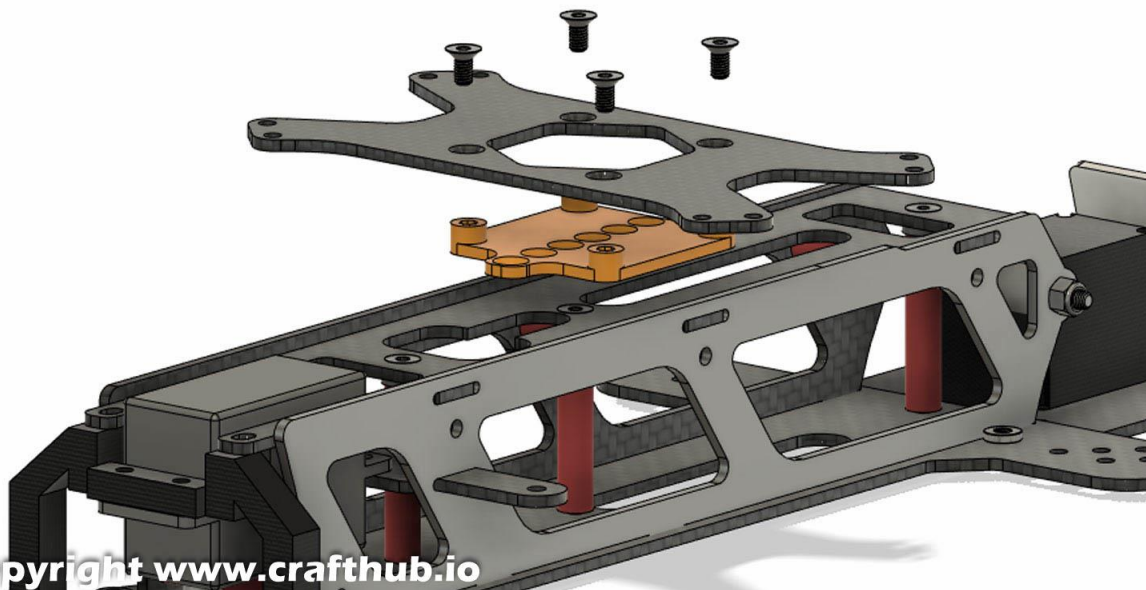


Battery mount can set anywhere on upper deck so you can adjust the vehicle's center of gravity (Refer to photo on page 13 for installation.)

バッテリーマウントは希望のシャーシ CG に応じてアッパーデッキ上のどこにでも固定できます。



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Fix with M3*8 countersunk screw.



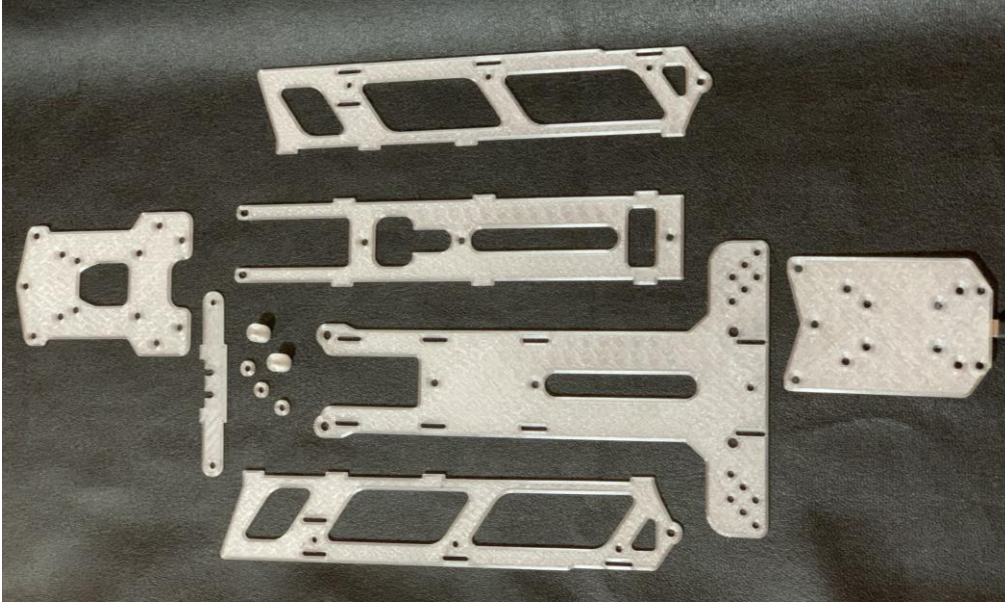
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If you want to rise up battery position higher, place the standoff between Base and carbon plate.
Ex.Standoff height 10-30mm.

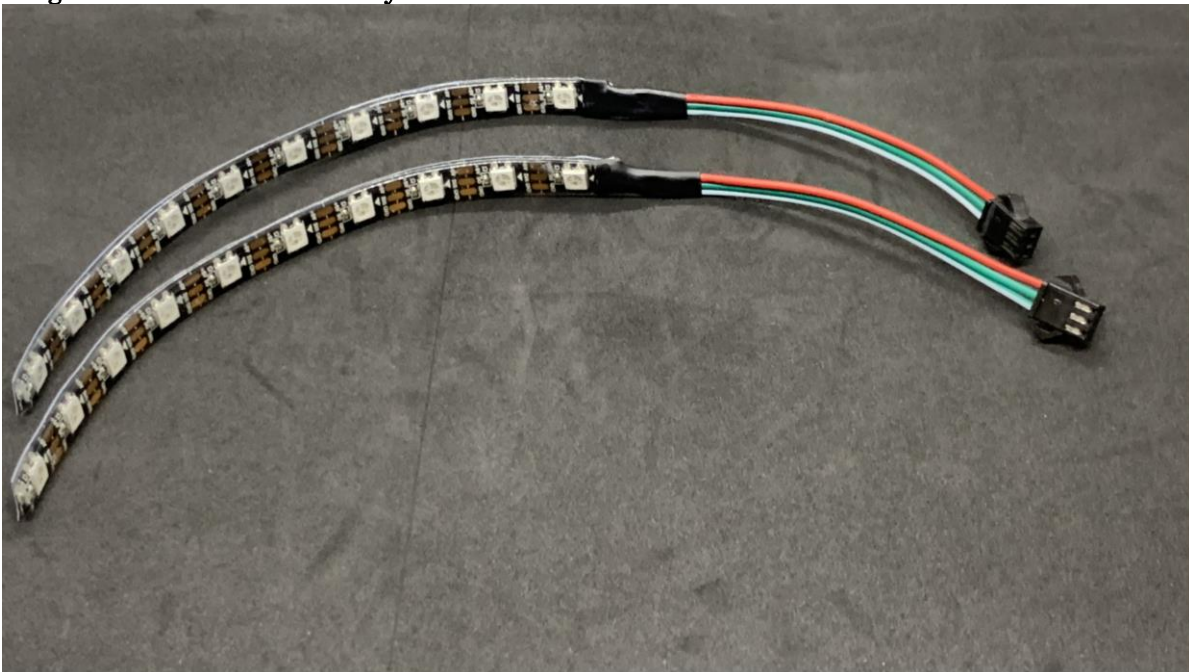
もし、もう少しバッテリーのホールドポジションを上げたい場合は 10mmから30mm のスペーサーをバッテリーベースとカーボンバッテリープレートに挟むことによって Z 軸方向へ CG を上げることができます。

Option

Engineered plastic crystal chassis



Programmable illumination system



**Disclaimer**

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This model is designed to make FDM 3Dprinter, the parts have some additive markings, however, no problem for those parts function.

We use/recommend ColorfabbHT firmament

<https://colorfabb.com/colorfabb-ht-tritan>

If you have any question, please contact is via a form.

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