

Willys Jeep RC Instructions



<https://makerworld.com/en/@icecube111>



Axis and Frame



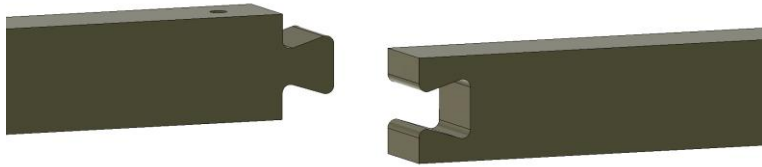
Push the N20 motor into the housing. Make sure that the cable connection is visible through the hole. A little more pressure is required to ensure that the motor is firmly seated. Repeat this for the other side



Connect the 2x IC007 200mm cables to the motors



Axis and Frame



Put the frame front and rear together



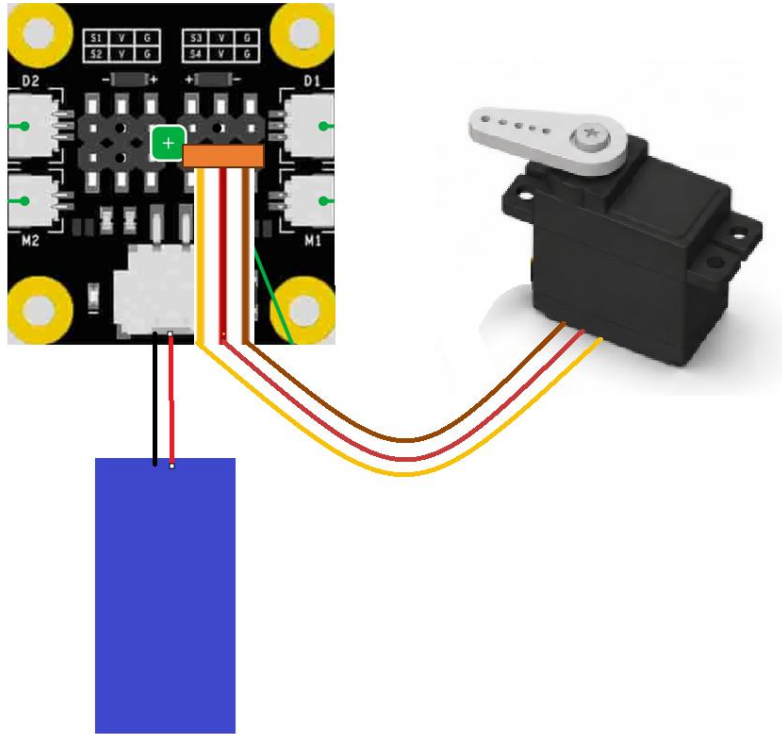
Screw the rear bumper and the front bumper to the frame BT2x12 (4x). Screw the axle to the two frames BT2x12 (4x)



Click the cables the brackets



Servo Trim



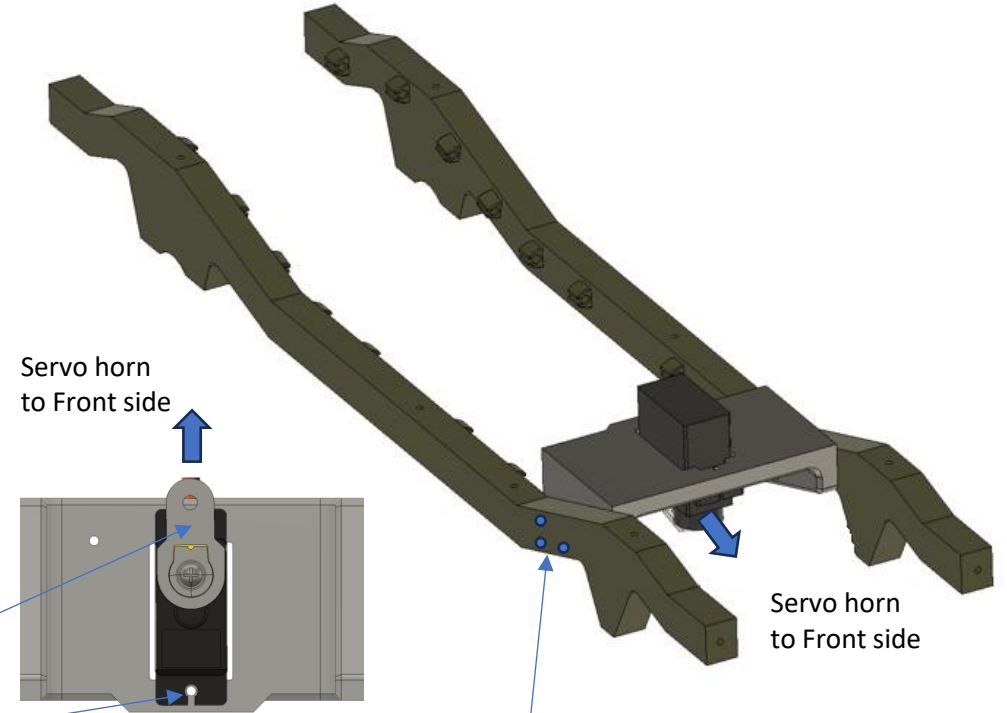
1: Connect the servo to the receiver as shown in the picture.

2: Plug in the Battery to the Receiver.

3: Press the black button to calibrate the initial position of the Servo.



Servo



Screw the 180° servo (PG001) to the Servo mount holder Screws BT2x12 (2x).

Cut the servo arm after the first hole and glue it into the servo adapter.

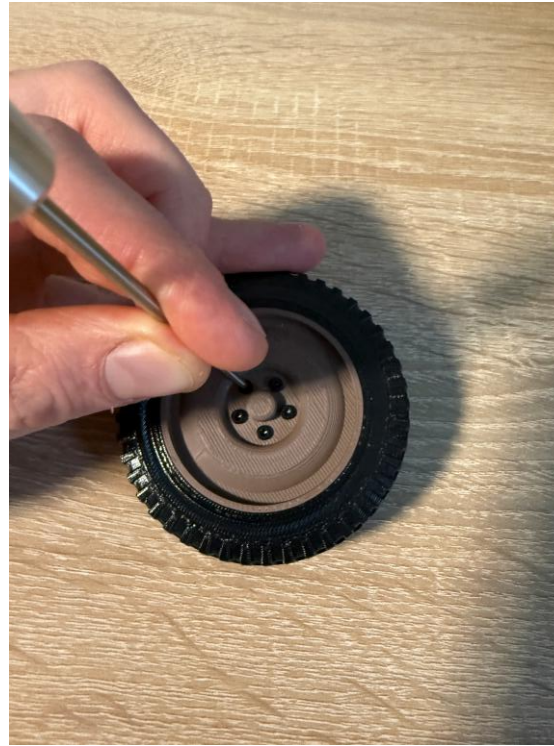
Screw the Servo Adapter to the Servo with the small Screw from Servo.



Wheels



Tire TPU version press on rim. For PLA version gluing



Screw 1x spare wheel with adapter
BT2x12 (5)



Hood



Glue the star into the hood



Glue 4x magnets (4x2mm) into the hood)



Hood



place 4x magnet (4x2mm) on the other magnets in the hood. Drizzle a little glue into the holes in the front body. Put the hood on.



Now the polarity of the magnets from the front body matches the hood otherwise it will be difficult to remove it after applying

Marking the poles of magnets is also a viable method to consider. Intersect your users to check which faces of their magnets attract each other before installation and mark the poles with pencils, markers, or stickers. These marks can help to avoid mistakes in magnet pole installation.



Dashboard



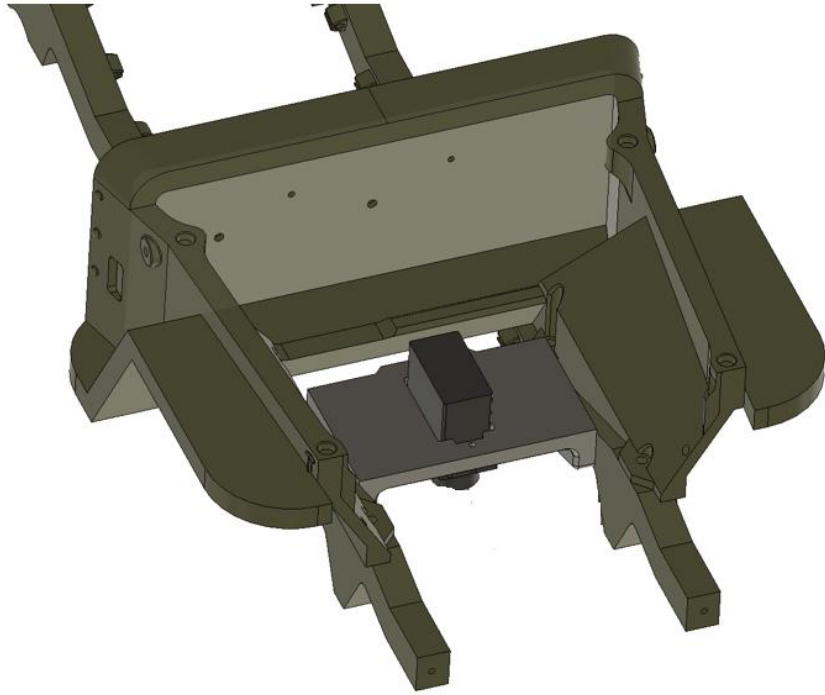
Glue the steering wheel to the dashboard.



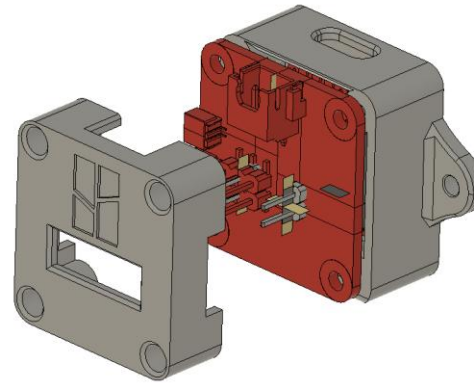
Screw the dashboard to the front body
BT2x6 (2x)



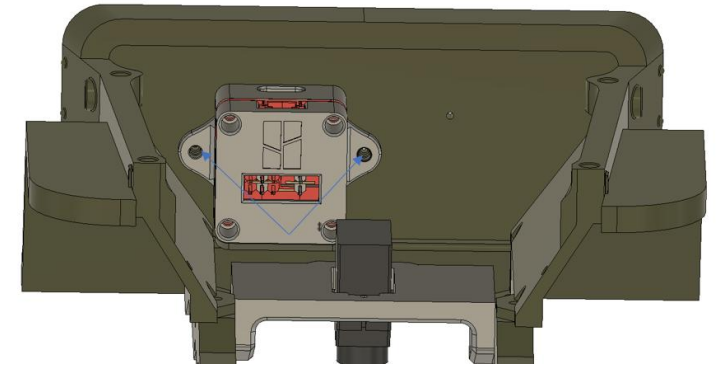
Front Body and Frame



Screw the front body onto the frame BT2x12 (4x).



Put the receiver unit in the bottom of the housing.
Screw the Top to the bottom BT2x6 (4x)



Screw the receiver housing to the front body BT2x6 (2x)



Front Body and Frame



Take the on off switch and screw it to the radiator grille BT2x6 (1x)



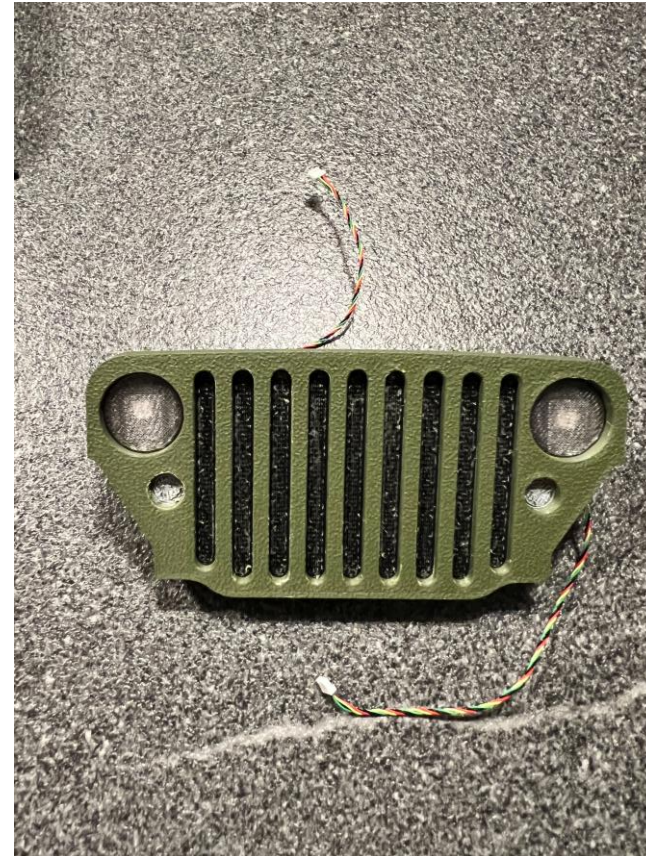
put the lid on



LEDs



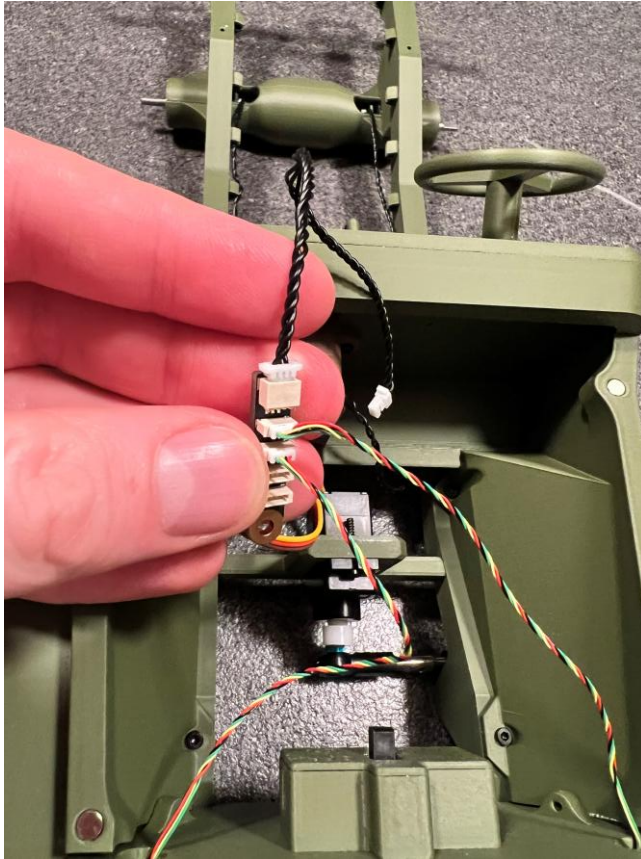
Insert the Front LEDs into the lamp sockets.



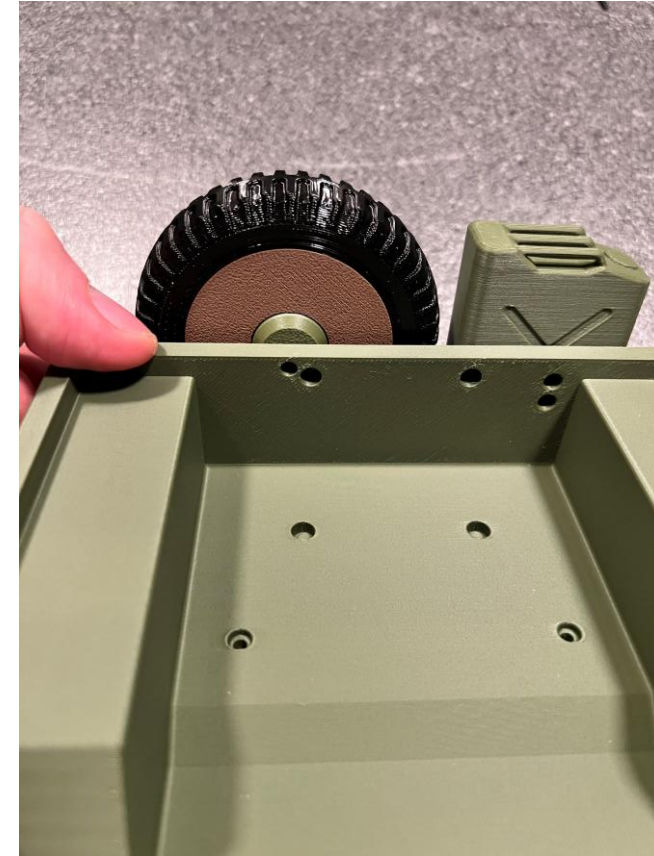
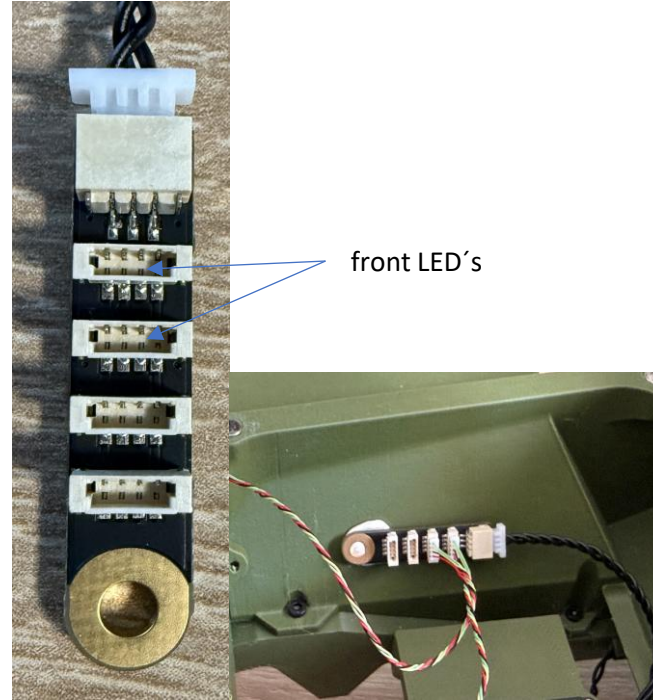
then press it into the radiator grille. No glue is needed!!!



Front LEDs and Rear Attachments



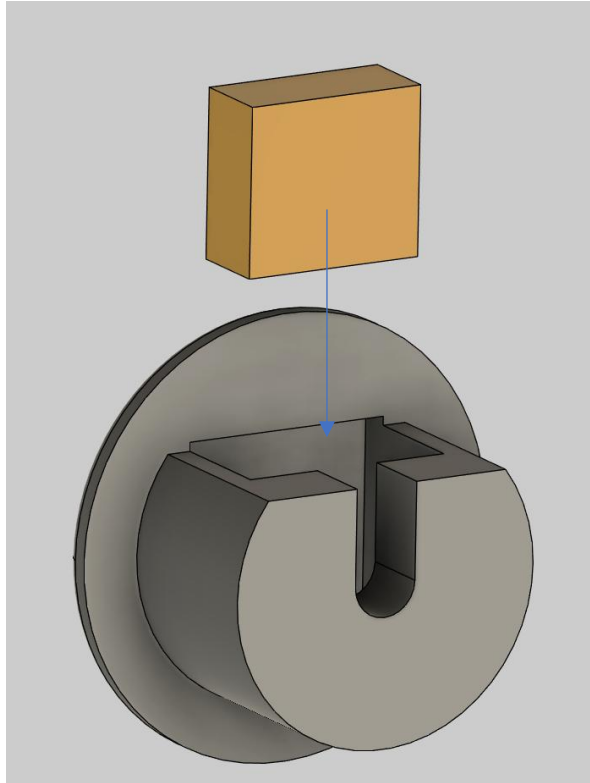
Connect the LEDs to the LED connection board. You can attach the LED strip with double-sided adhesive tape wherever there is space.



Screw the spare wheel BT2x12 (1x) and the petrol can on the rear body to BT2x6 (2x) Then screw the rear body to the frame. BT2x12 (4x)



Rear Lamps



Put The Led in the taillights 2x.

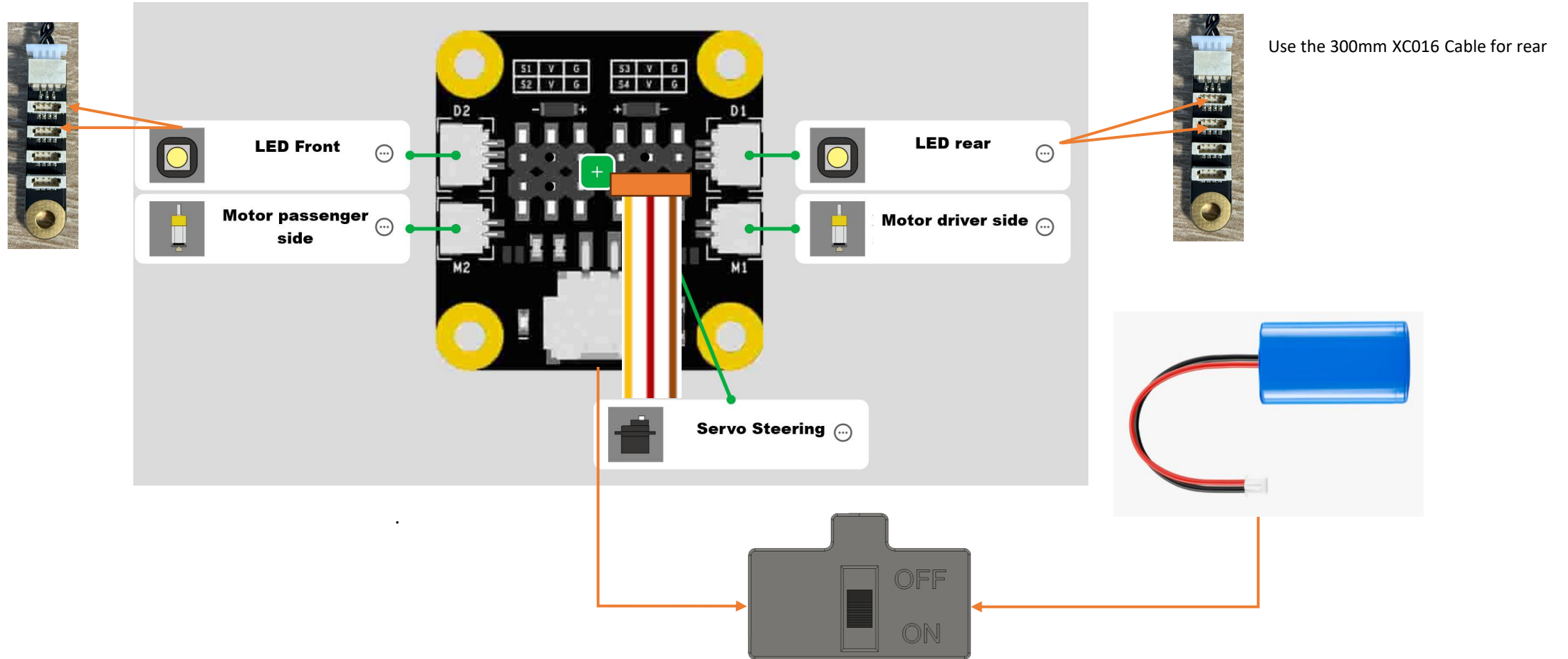


Put the taillights in the rear body

Screw the Hub on the Rear Body. M2,5x6. Connect the Cable XC016 300mm and the 2x Leds. (See the Diagram next page)



electrical connection diagram



Radiator and rear Wheel Adapter



Screw the radiator grille to the front body BT2x6 (2x)



Screw the rear wheel adapter to the motor BT2x6 (2x) Make sure that the screw is screwed onto the flat side of the motor shaft. Only tighten lightly!!!



Front Steering



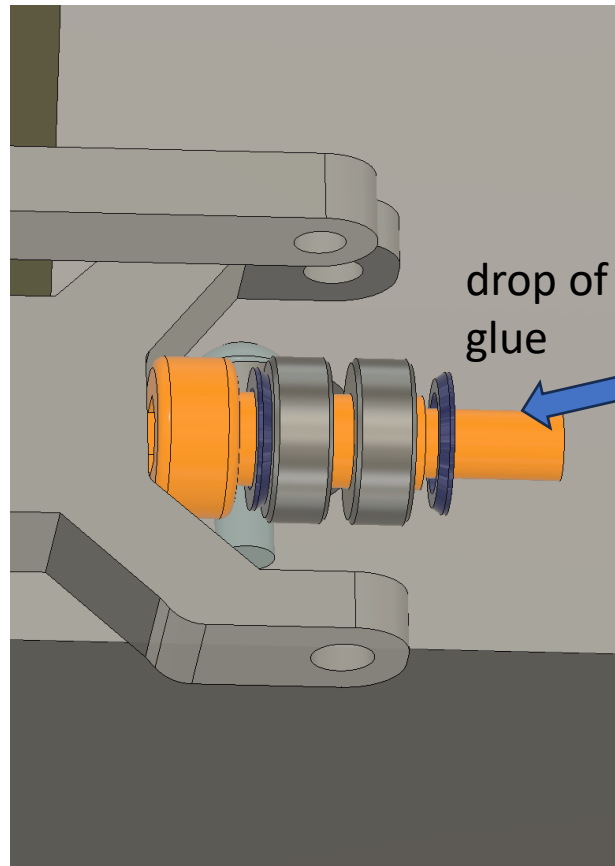
Press the ball bearings into the front steering knuckles
4x MR74ZZ



Heat the Round Threaded Brass and put in the Front Wheel Adapter 2x) It is important to ensure that these are vertical so that the wheel does not wobble afterwards



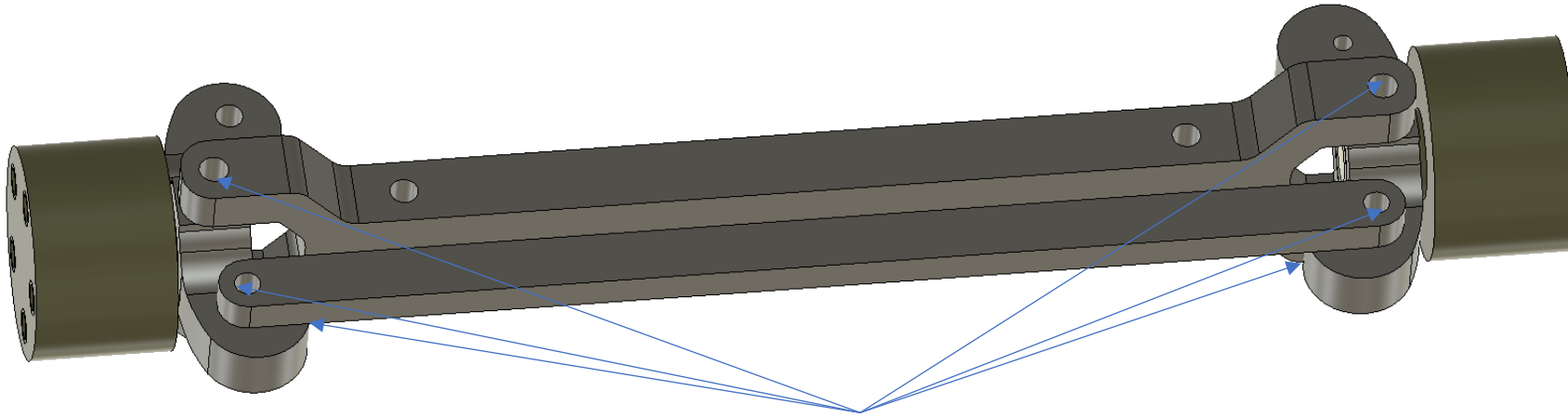
Front Steering



Assemble the assembly. Insert the screw M3x4x8SHSS (2x) through the ball bearings from the inside. On both sides a washer for the distance to the ball bearings, the conical side inside the ball bearing so that it rests on the inner ring. Put a drop of glue on the thread and screw on the tire adapter. This should only sit slightly and rotate well



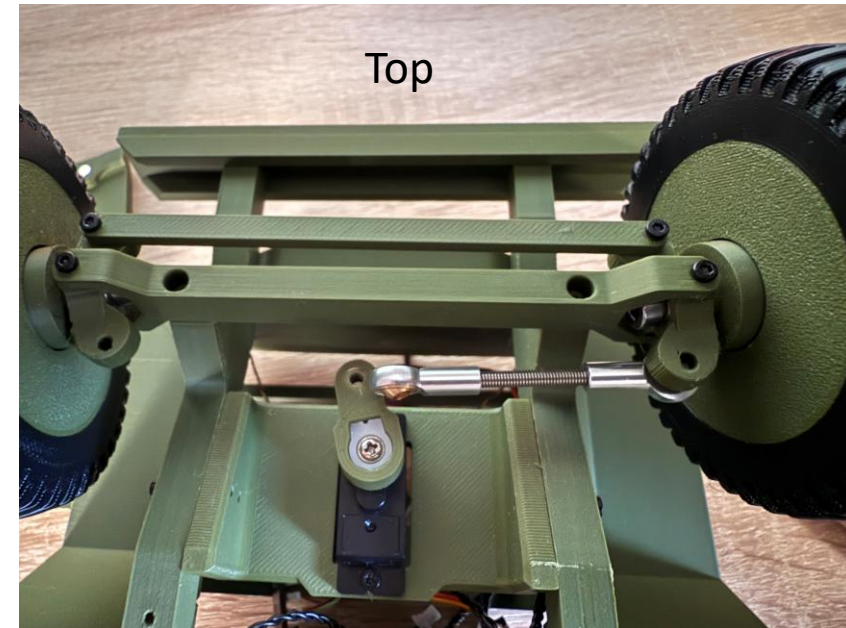
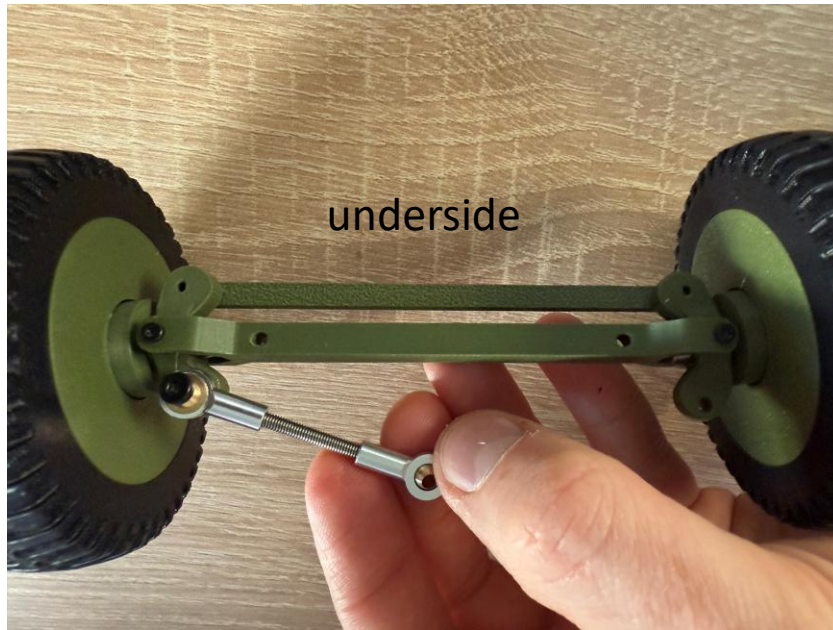
Front Steering



Assemble the front axle as shown in the picture. Use the BT2x6 screws (6x). Don't tighten the screws too tightly so that everything moves smoothly



Front Steering

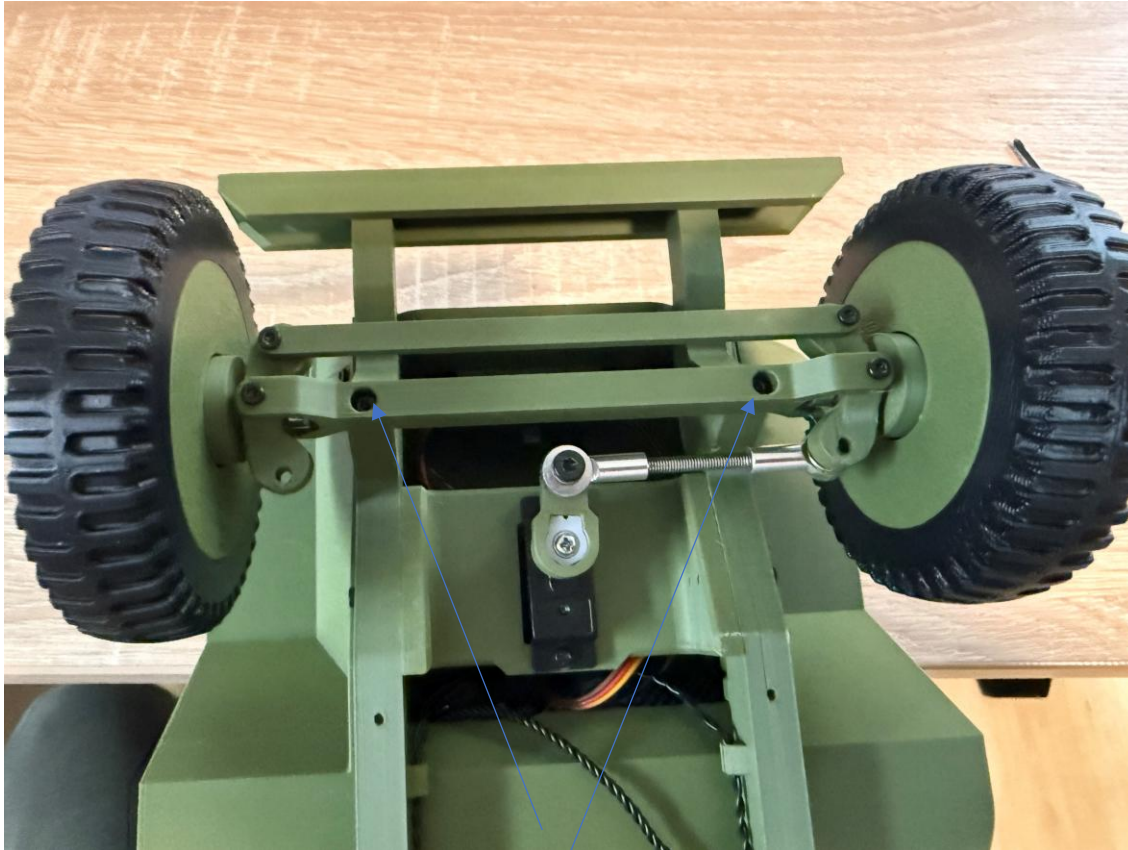


before the axle assembly is screwed to the frame. Assemble 2x Rod end Ball (PJ001) with the threaded rod 1x (AA227) as shown in the picture.

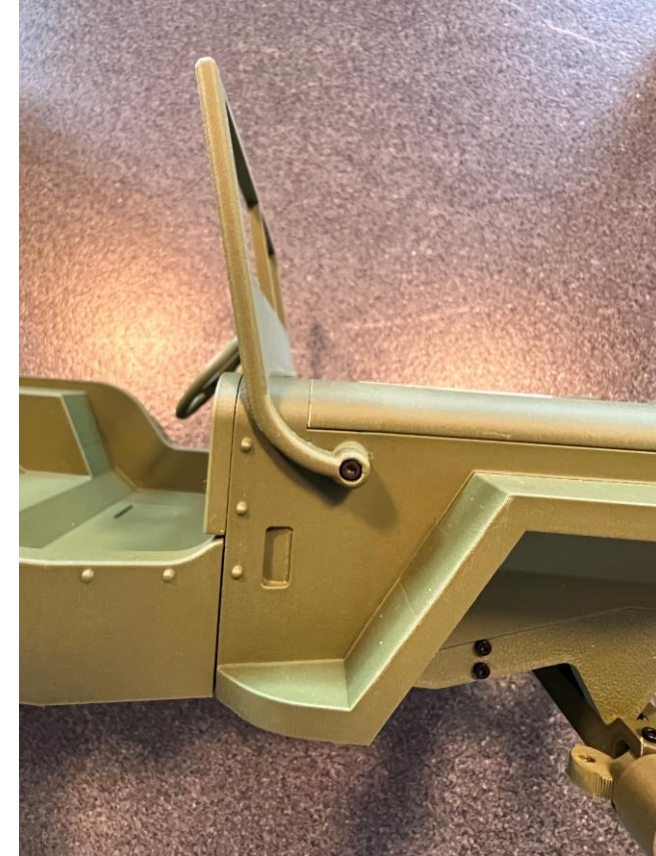
Screw the steering lever onto the right or left steering knuckle M2.5x10 AA155 (2x). You screw this onto the underside of the top. top is the side without screw countersink!!!



Front Steering Front Window



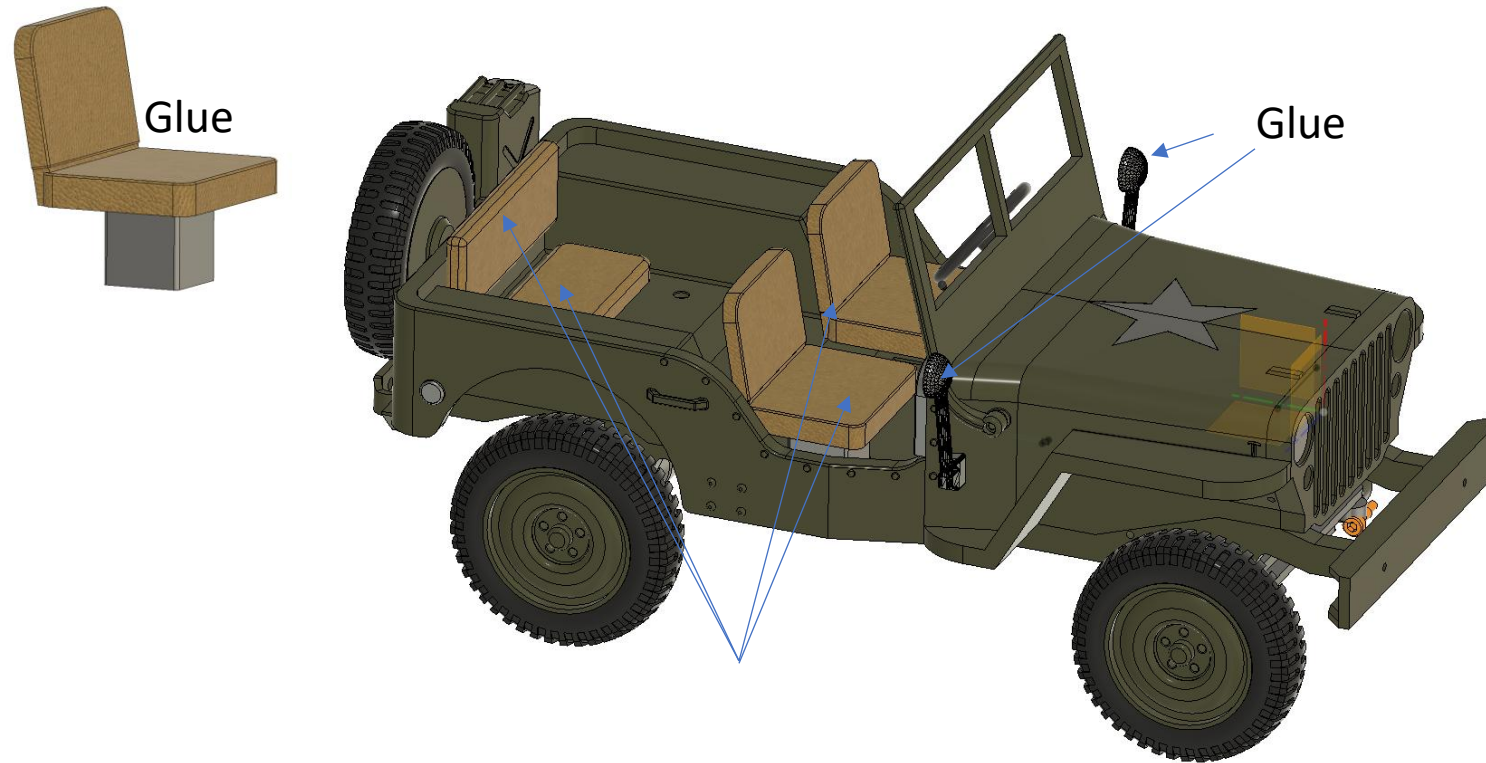
screw the front axle to the frame BT2x12 (2x) and screw the ball linkage to the Servo with BT3x10.
Adjust the axes in parallel.



Screw the front window to BT2x12 (2x)



Interior and Wheels



Glue the seats onto the seat adapters and then into the vehicle. Glue on the side mirrors. Glue the back seat and backrest.



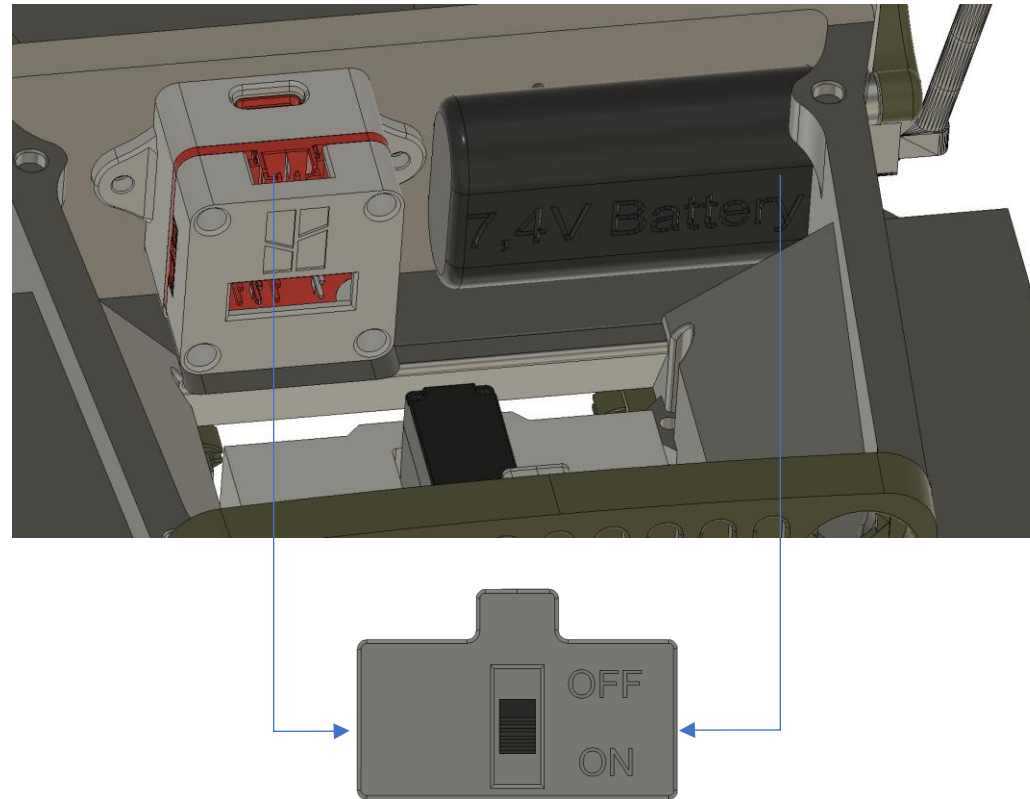
Wheels



Then screw all tires to the wheel adapters BT2x12 (20x)



Battery



Finally, place the battery next to the receiver housing and connect it to the power switch and the receiver using the two cables from the hardware kit. The battery does not need to be secured.



Remote Controller

I use the official Controller. The instruction you can find here:

[Remote Controller](#)



Parts List

- 2x N20 Motor 400 Upm LA003
- 4x Magnet 4x2mm CA001
- 2x LED (From Hardware Kit)
- 2x LED Connecting Board (From Hardware Kit)
- 1x On Off Switch (From Hardware Kit)
- 1x Battery 7,2V (From Hardware Kit)
- 4x MR74ZZ Bearing EA009
- 2x Round Threaded Brass M3x5x4 AB012
- 2x M3x4x8 SHSS AA122
- 50x BT2x12 AA095
- 21x BT2x6 AA093
- 2x BT3x10 AA200
- 1x M2,5x10 AA155
- 1x M2,5x6 AA029
- 2x M3 Aluminium Rod End Ball Joint from the set PJ001
- 1x M3 Carbon Steel Full Thread Rod 30mm from the set AA227
- 1x Servo PG001

