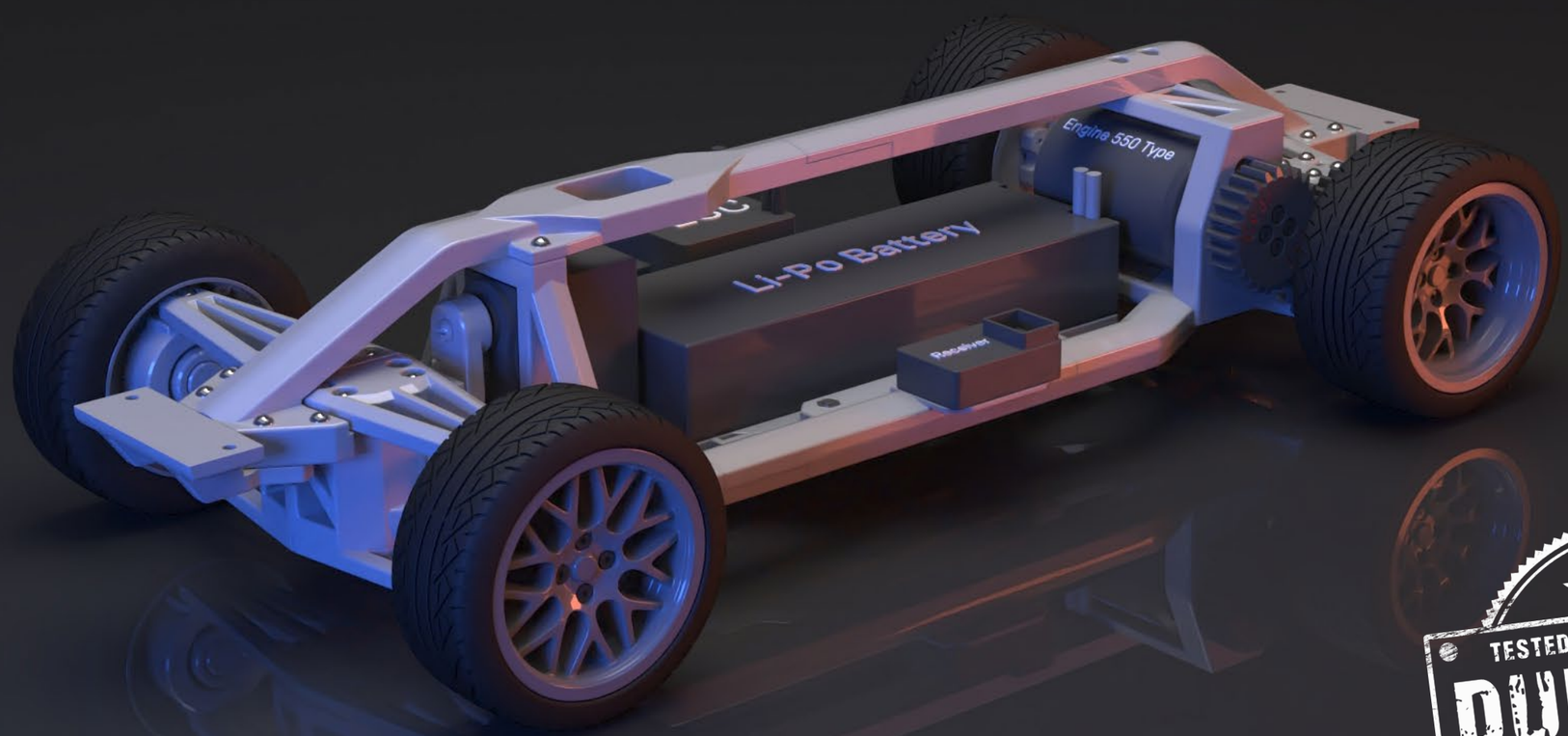
UNIVERSAL CHASSIS

DRFT.1 / 1:10 SCALE



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CLICK TO DOWNLOAD

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CLICK TO DOWNLOAD

CLICK TO FOLLOW

CLICK TO FOLLOW

TESTED TESTED TESTED
DURABLE
DESIGNED BY MRPAULM

ASSEMBLY GUIDE

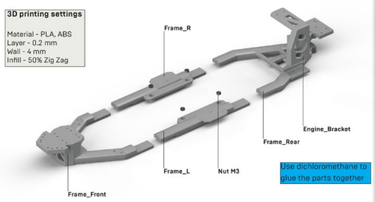
20 STEPS

TO ASSEMBLE THE CHASSIS

Step 1.
Glue the parts of the frame

TABLE OF CONTENTS

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 4 mm
Infill - 50% Zig Zag



Use dichloromethane to glue the parts together

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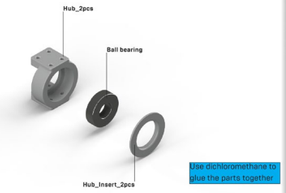
Step 2.
Assemble the rear hub [2 pieces]

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%

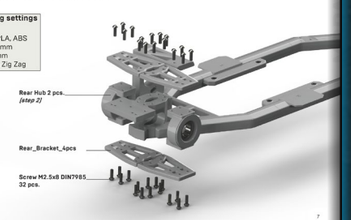


Use dichloromethane to glue the parts together

6

Step 3.
Screw the rear hubs and rear brackets to the frame

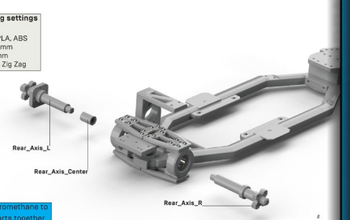
3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100% Zig Zag



7

Step 4.
Install rear axes

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100% Zig Zag

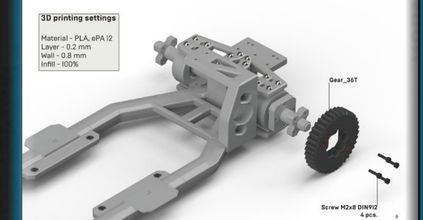


Use dichloromethane to glue the parts together

8

Step 5.
Screw the spur gear to the rear axis

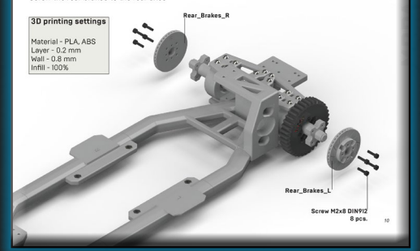
3D printing settings
Material - PLA, ePA 12
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



9

Step 6.
Screw the rear brakes to the rear axes

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



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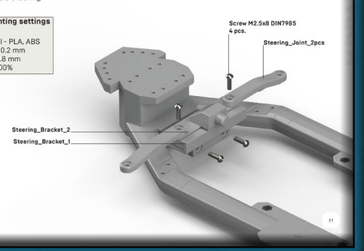
Step 7.
Assemble steering

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



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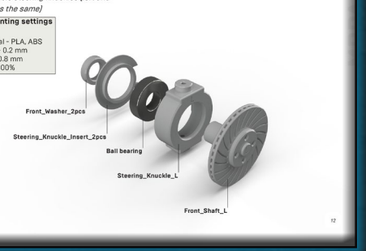
Step 8.
Assemble steering knuckles [left and right as the same]

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



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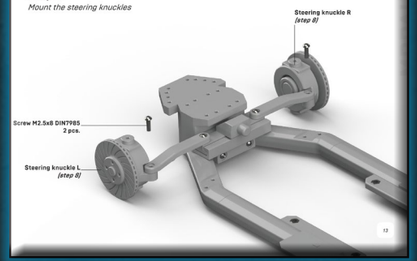
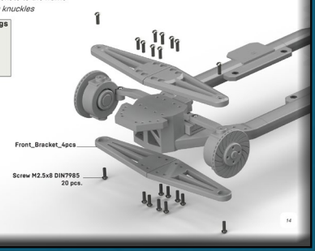
Step 9.
Mount the steering knuckles



13

Step 10.
Screw the front brackets to the frame and to the steering knuckles

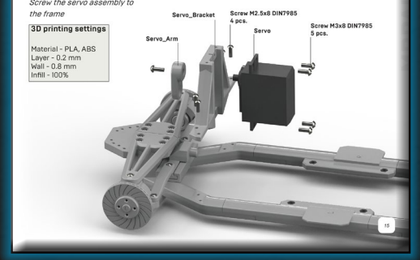
3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



14

Step 11.
Screw the servo assembly to the frame

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



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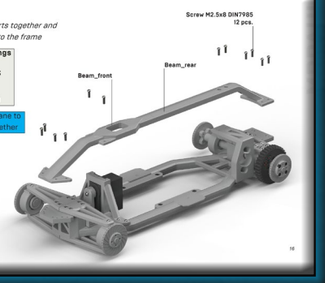
Step 12.
Glue the beam parts together and then screw them to the frame

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100% Zig Zag

Use dichloromethane to glue the parts together



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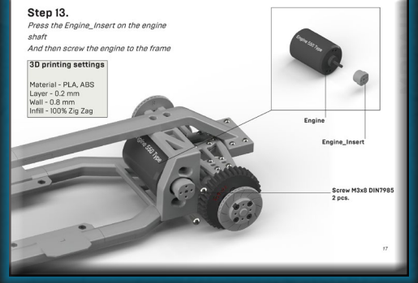
Step 13.
Press the Engine_Insert on the engine shaft
And then screw the engine to the frame

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100% Zig Zag



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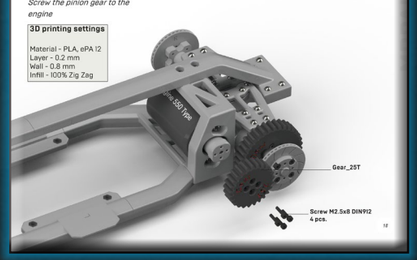
Step 14.
Screw the pinion gear to the engine

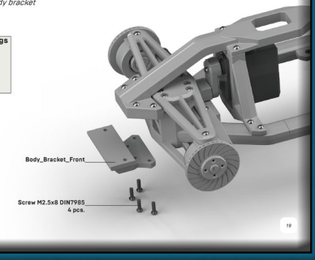
3D printing settings
Material - PLA, ePA 12
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100% Zig Zag



18

Step 15.
Screw the front body bracket

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



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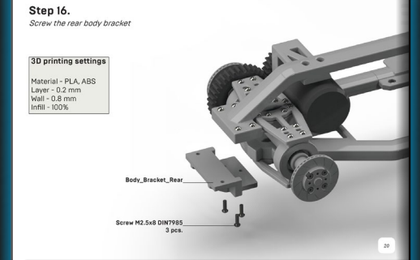
Step 16.
Screw the rear body bracket

3D printing settings
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



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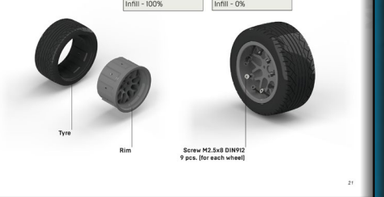
Step 17.
Assemble the front and rear wheels as the same

3D printing settings -Rim-
Material - PLA, ABS
Layer - 0.1 mm
Wall - 0.8 mm
Infill - 100%

3D printing settings -Tyre-
Material - TPU, TPE
Layer - 0.2 mm
Wall - 1.6 mm
Infill - 0%



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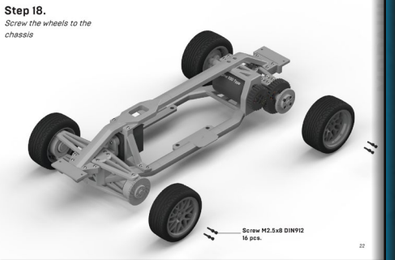
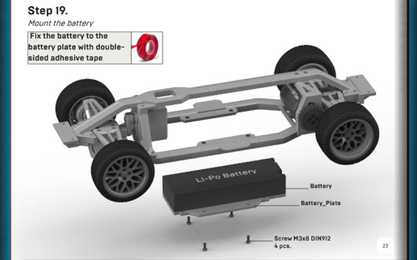
Step 18.
Screw the wheels to the chassis



22

Step 19.
Mount the battery

Fix the battery to the battery plate with double-sided adhesive tape



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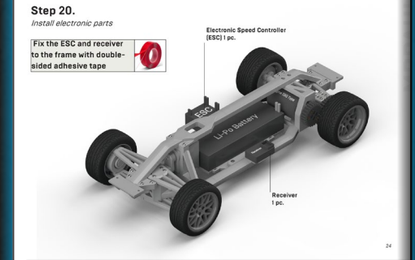
Step 20.
Install electronic parts

Fix the ESC and receiver to the frame with double-sided adhesive tape



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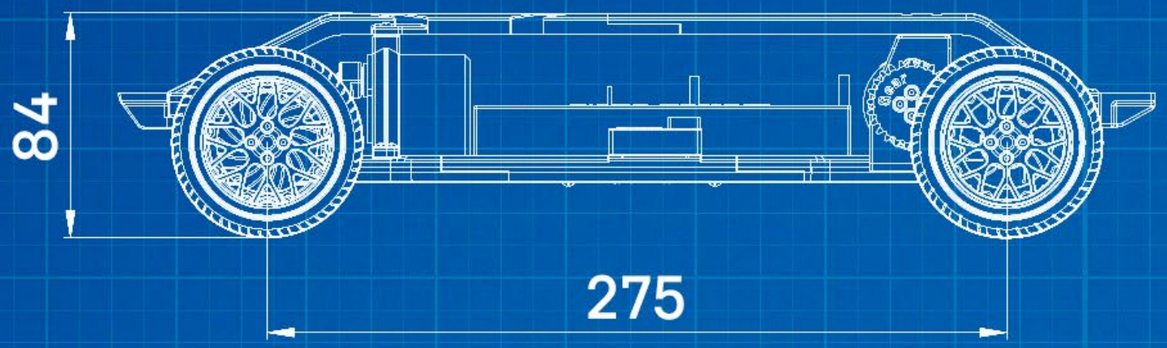
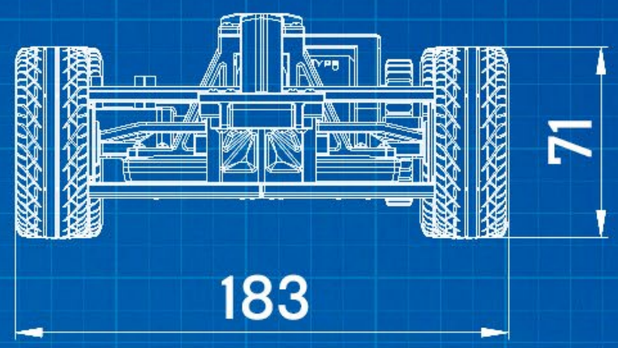
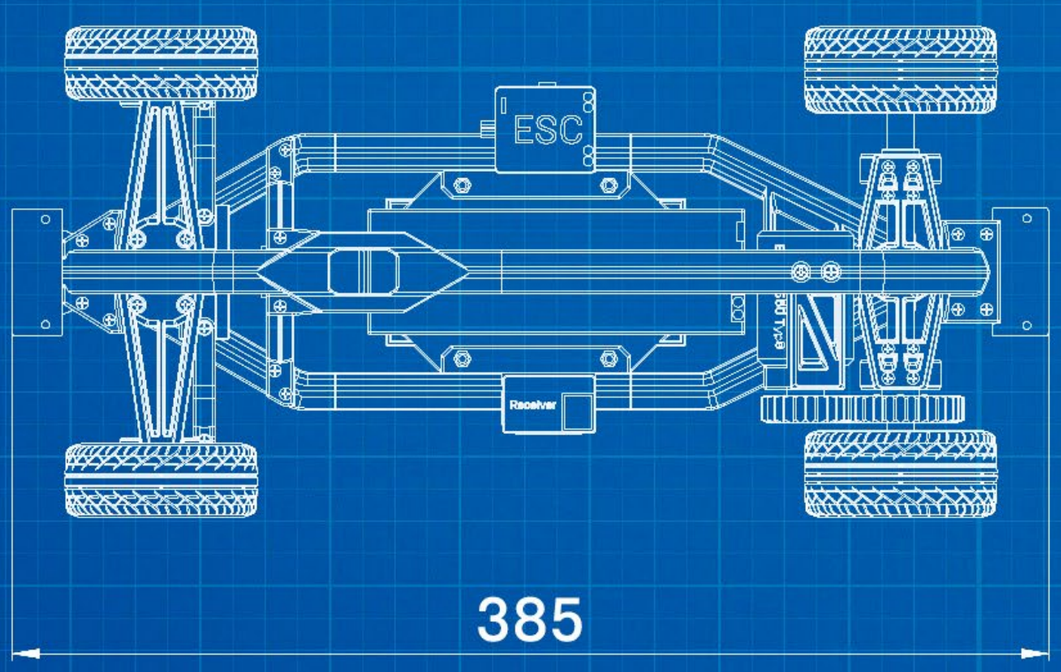
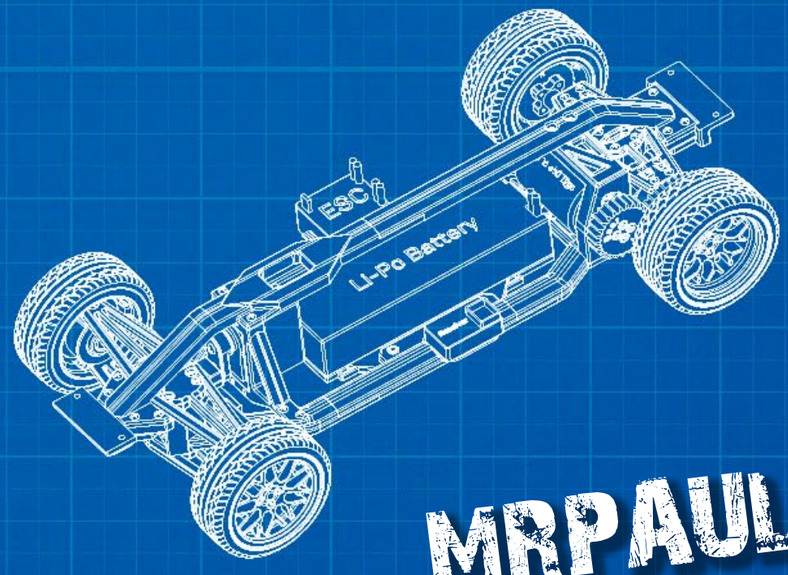
UNIVERSAL CHASSIS DRFT.1 / Scale 1:10

DIMENSIONS - MILLIMETERS









MRPAULM

Bill of materials

Fasteners

- Nut M3 - 4 pcs.
- Screw M2x8 DIN912 - 68 pcs.
- Screw M2.5x8 DIN7985 - 97 pcs.
- Screw M3x6 DIN914 - 1 pc.
- Screw M3x8 DIN7985 - 11 pcs.

Ball bearings

- Ball bearing 6900 2RS 10x22x6 - 4 pcs.

Components

- ESC 80A - 1 pc.
- Engine brushed 540 or 550 type 27T - 1 pc.
- Battery Li-Po 2S - 1 pc.
- Transmitter kit - 1 pc.
- Servo MG996R - 1 pc.

Specs

- Scale - 1:10
- Drivetrain - RWD

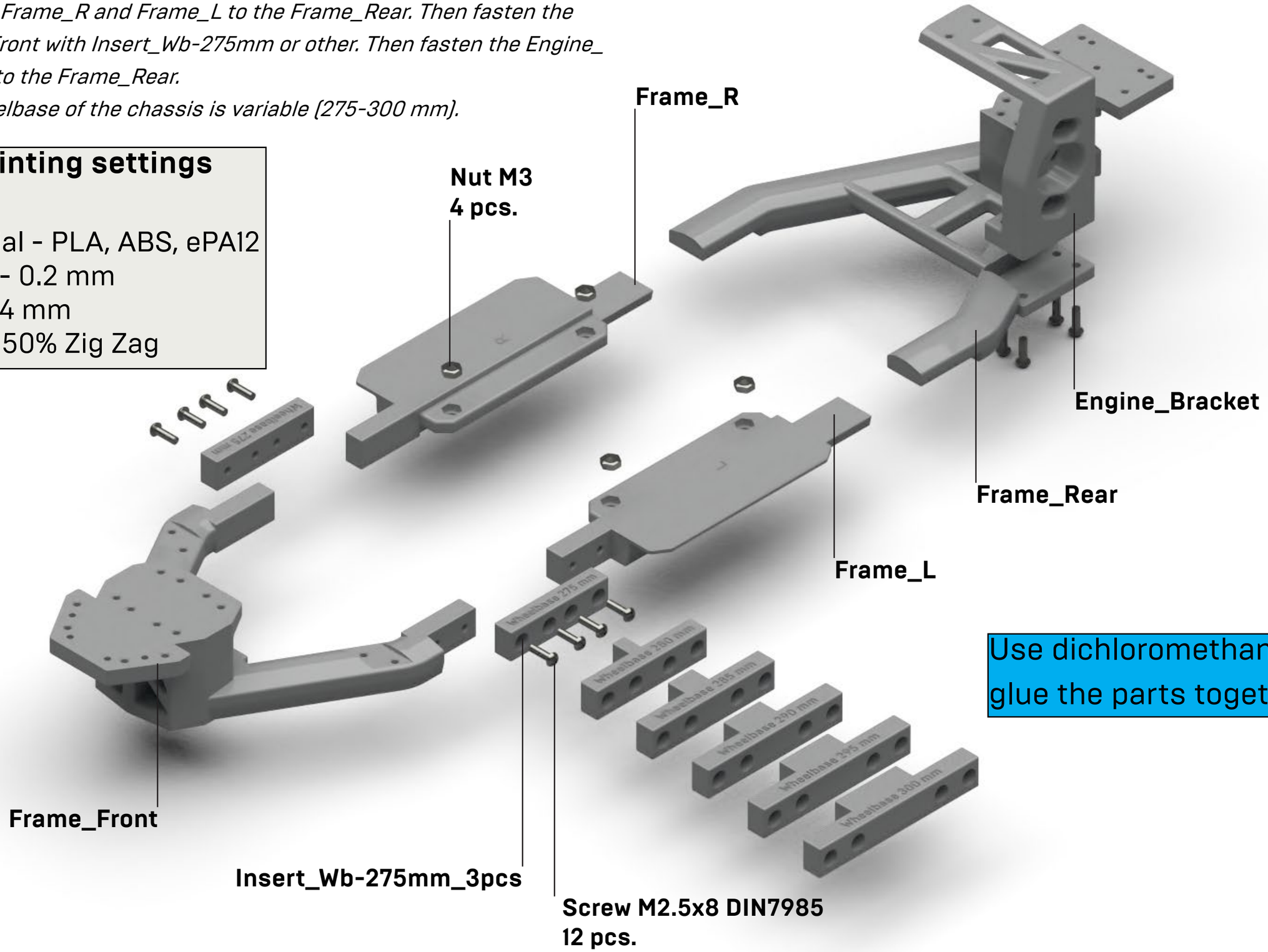
Step 1.

Glue the Frame_R and Frame_L to the Frame_Rear. Then fasten the Frame_Front with Insert_Wb-275mm or other. Then fasten the Engine_Bracket to the Frame_Rear.
The wheelbase of the chassis is variable (275-300 mm).

TABLE OF CONTENTS

3D printing settings

Material - PLA, ABS, ePA12
Layer - 0.2 mm
Wall - 4 mm
Infill - 50% Zig Zag



Use dichloromethane to glue the parts together

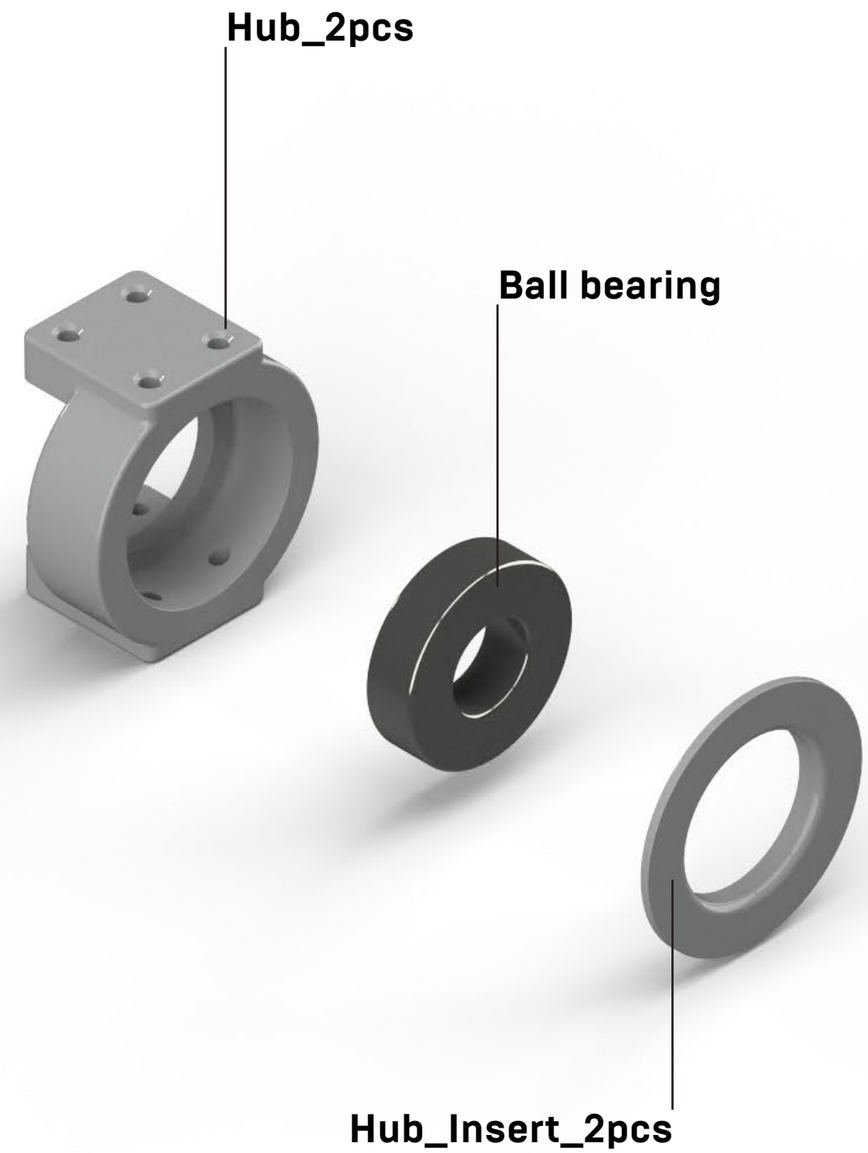
Step 2.

Assemble the rear hub (2 pieces)

TABLE OF CONTENTS

3D printing settings

Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



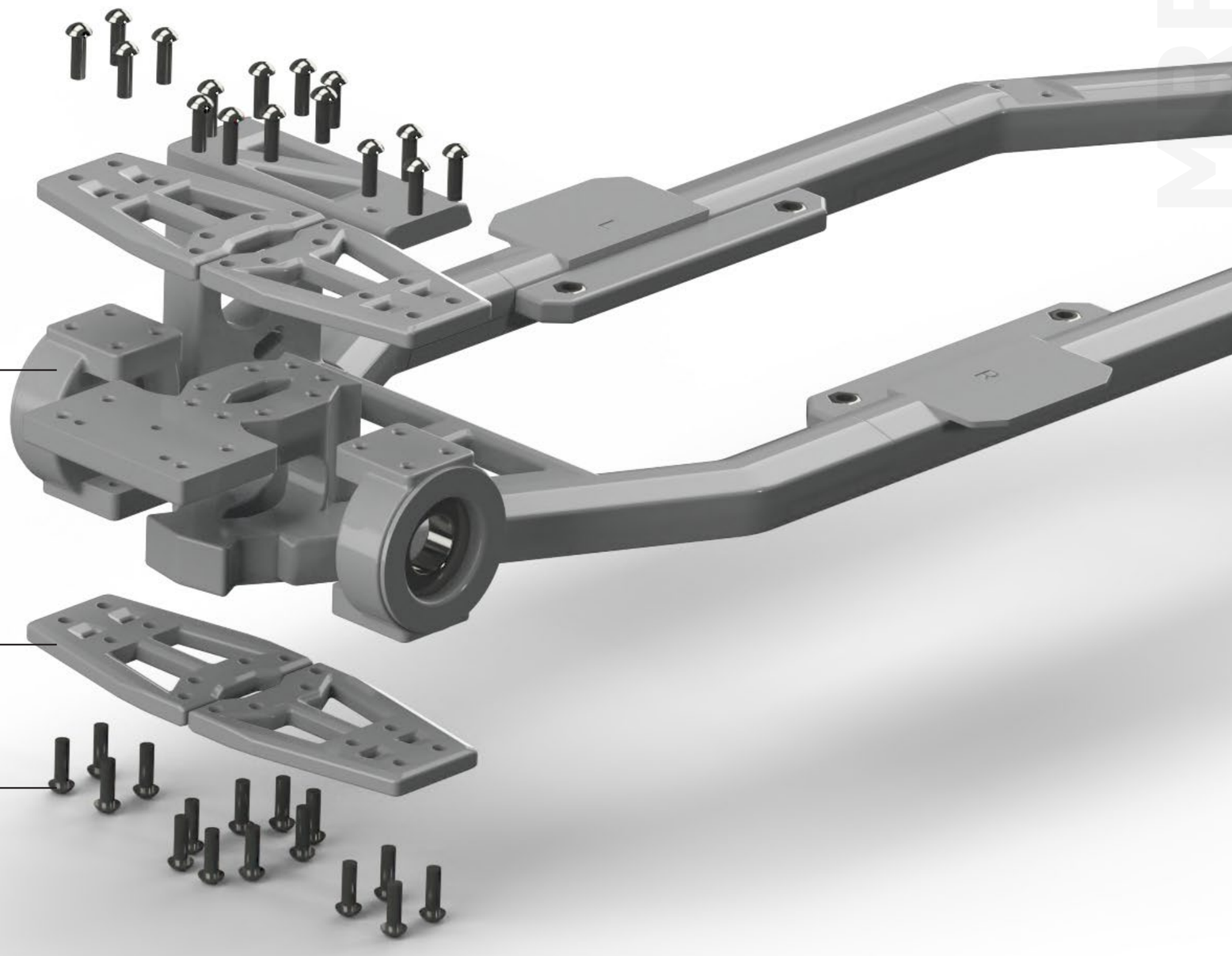
Use dichloromethane to glue the parts together

Step 3.

Screw the rear hubs and rear brackets to the frame

3D printing settings

Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100% Zig Zag



Rear Hub 2 pcs.
(step 2)

Rear_Bracket_4pcs

Screw M2.5x8 DIN7985
32 pcs.

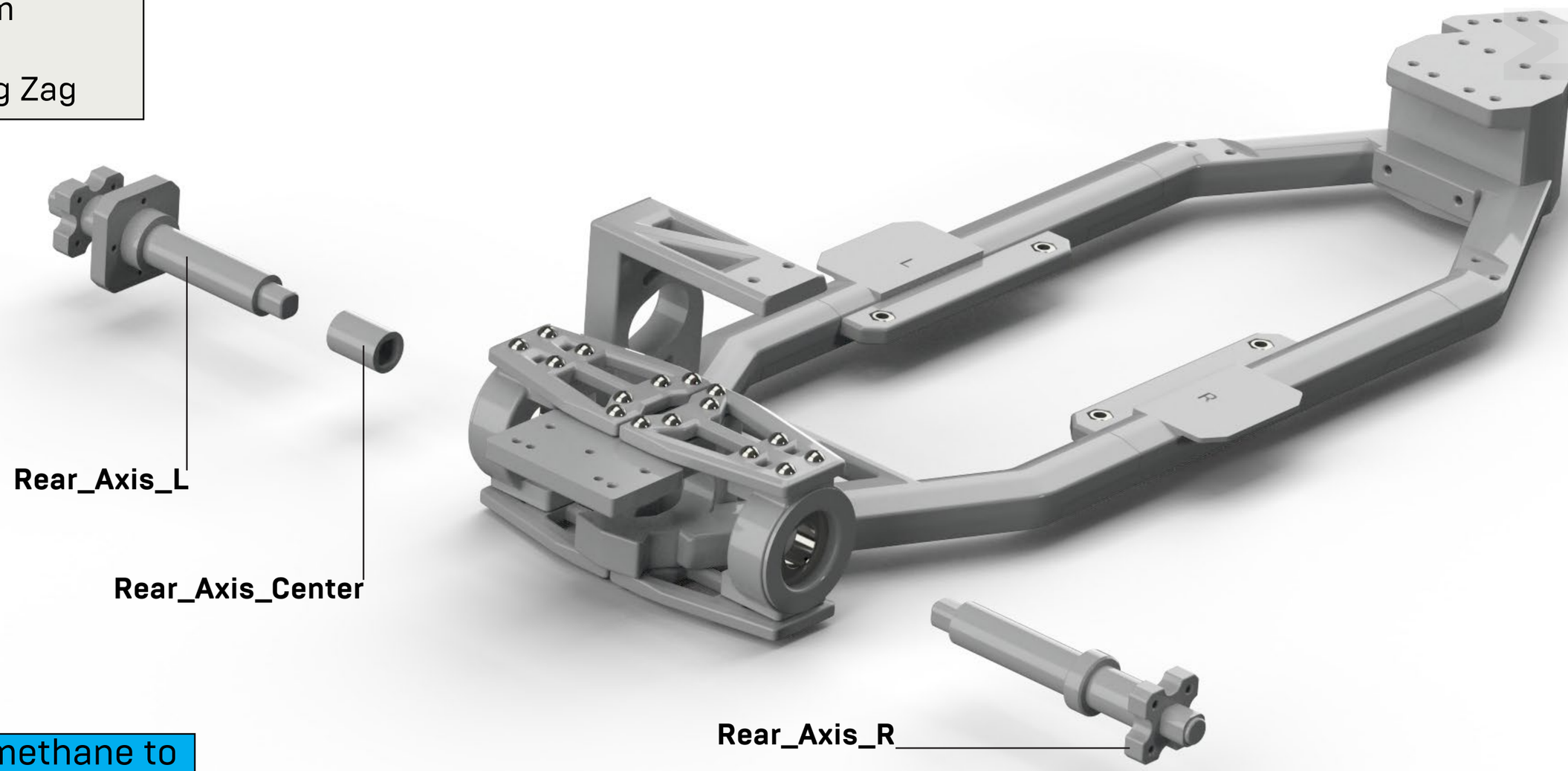
Step 4.

Install rear axes

TABLE OF CONTENTS

3D printing settings

Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100% Zig Zag



Use dichloromethane to glue the parts together

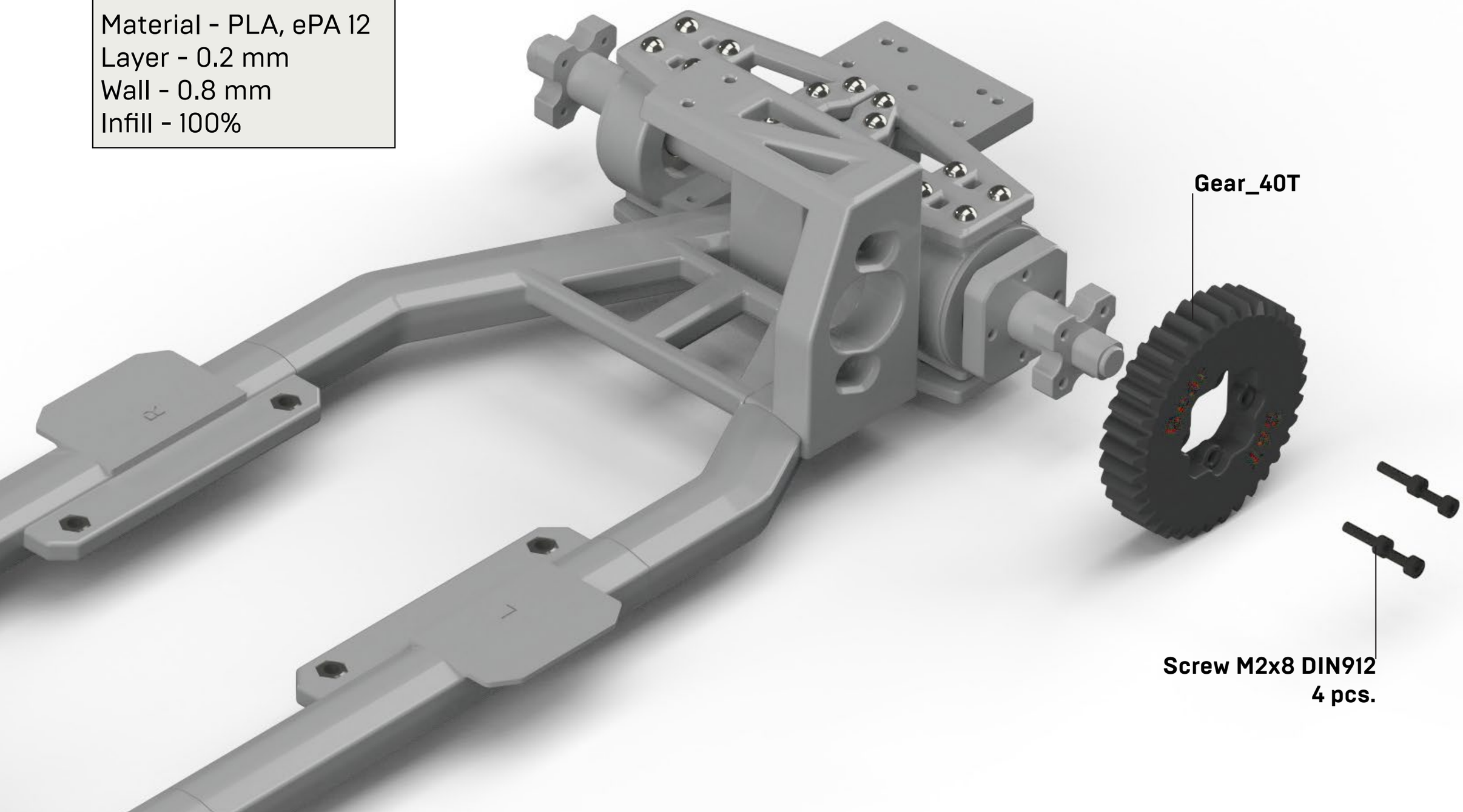
Step 5.

Screw the spur gear to the rear axis

TABLE OF CONTENTS

3D printing settings

Material - PLA, ePA 12
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



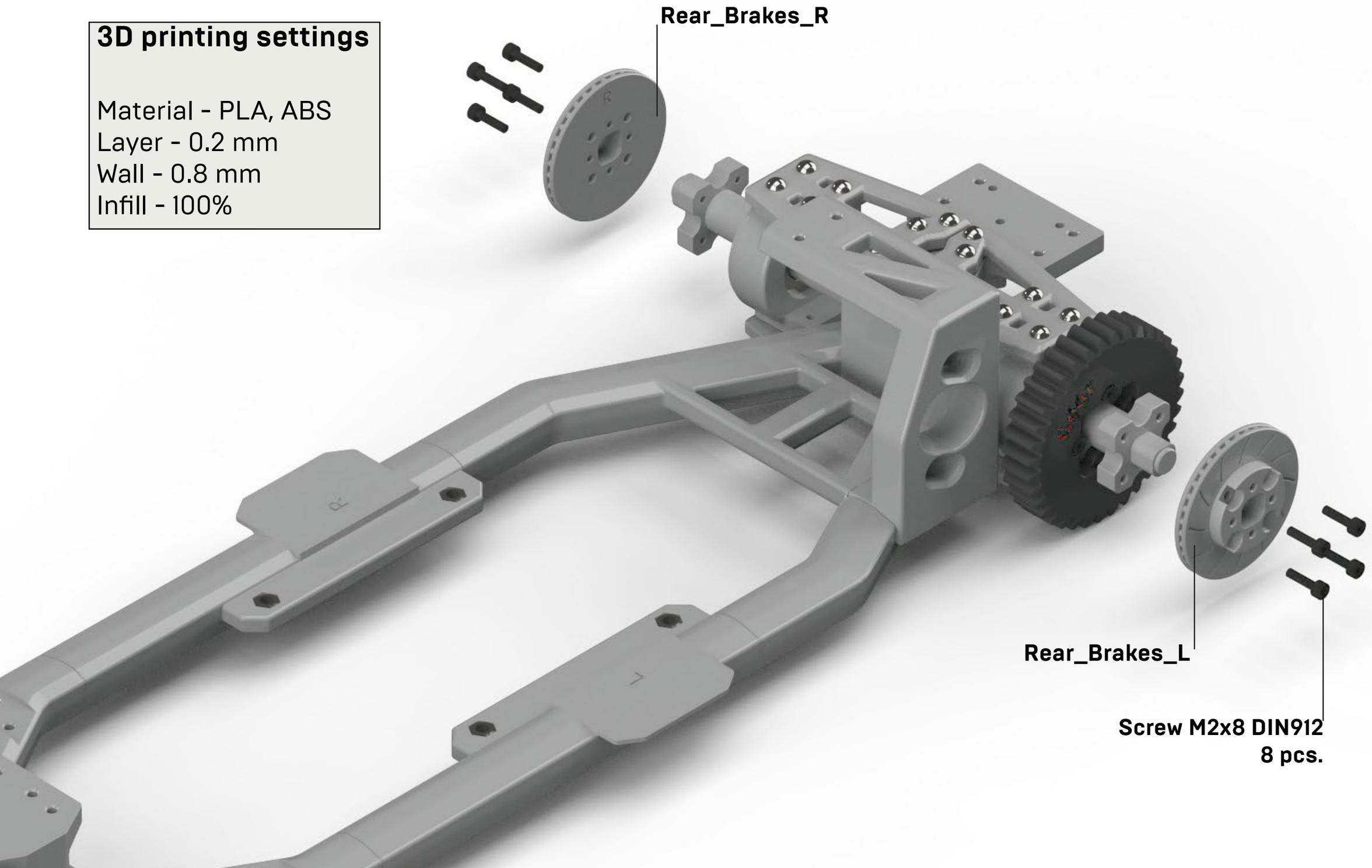
Step 6.

Screw the rear brakes to the rear axes

TABLE OF CONTENTS

3D printing settings

Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



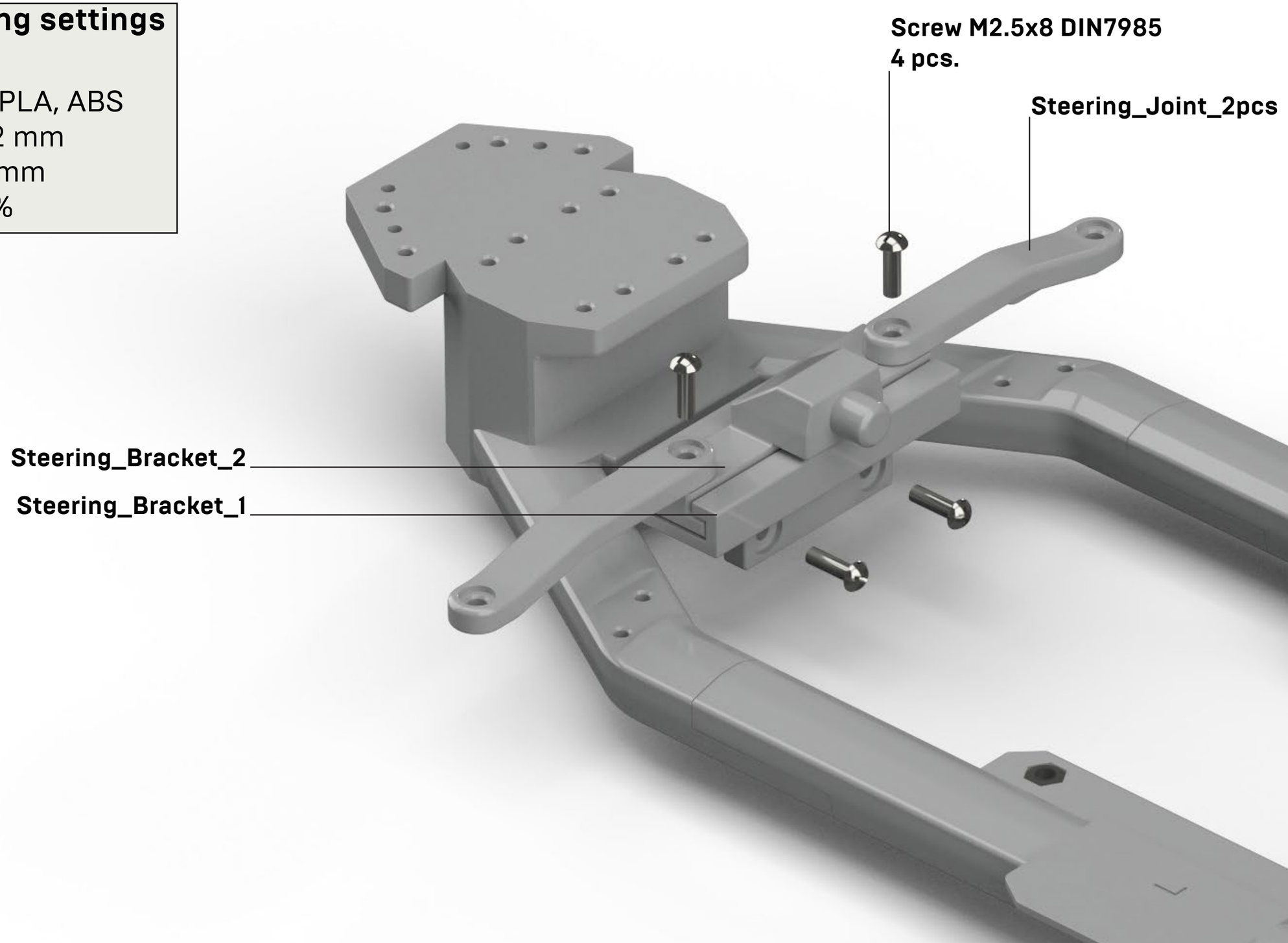
Step 7.

Assemble steering

TABLE OF CONTENTS

3D printing settings

Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



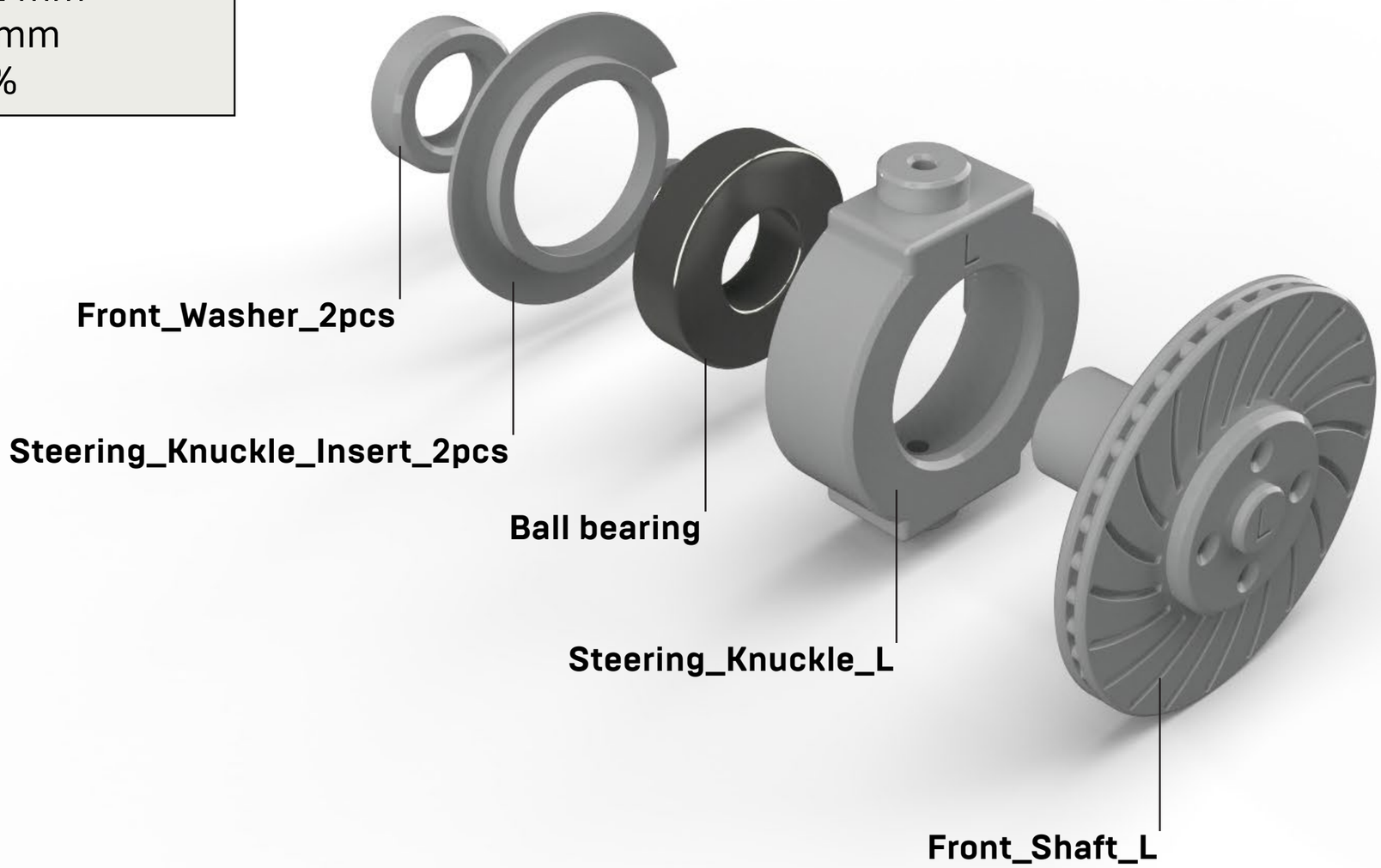
Step 8.

Assemble steering knuckles (left and right as the same)

TABLE OF CONTENTS

3D printing settings

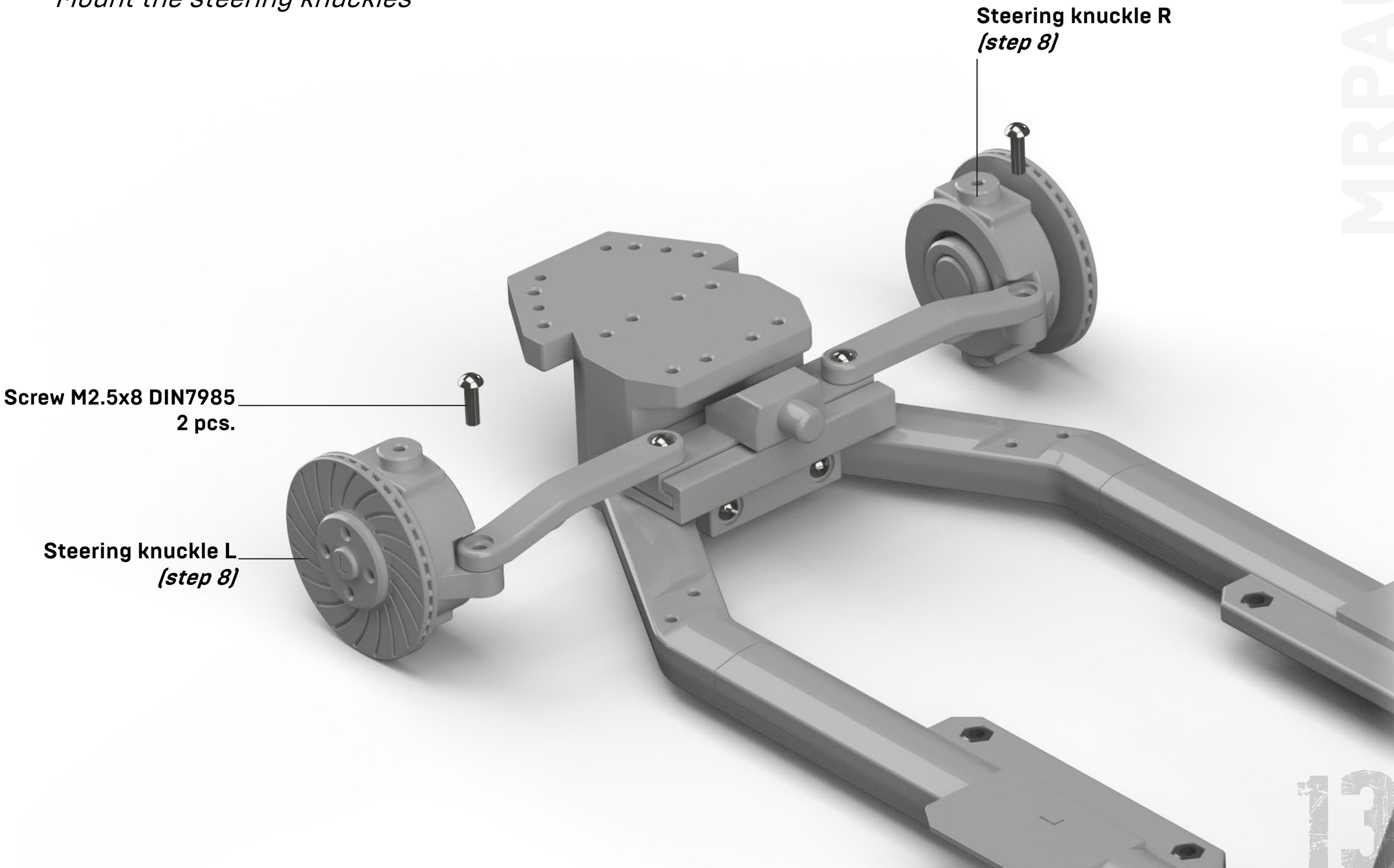
Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



Step 9.

Mount the steering knuckles

TABLE OF CONTENTS

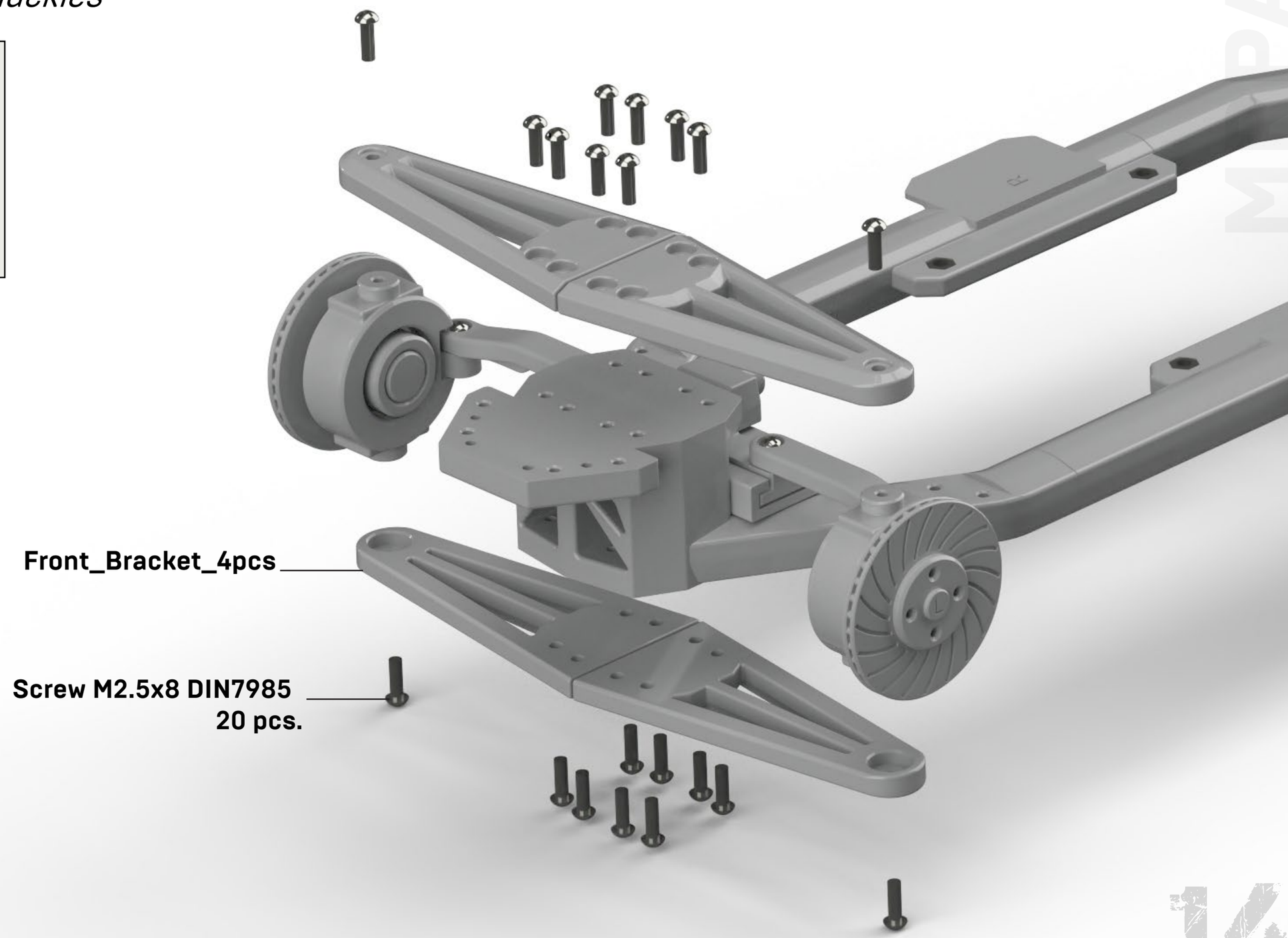


Step 10.

Screw the front brackets to the frame and to the steering knuckles

3D printing settings

Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



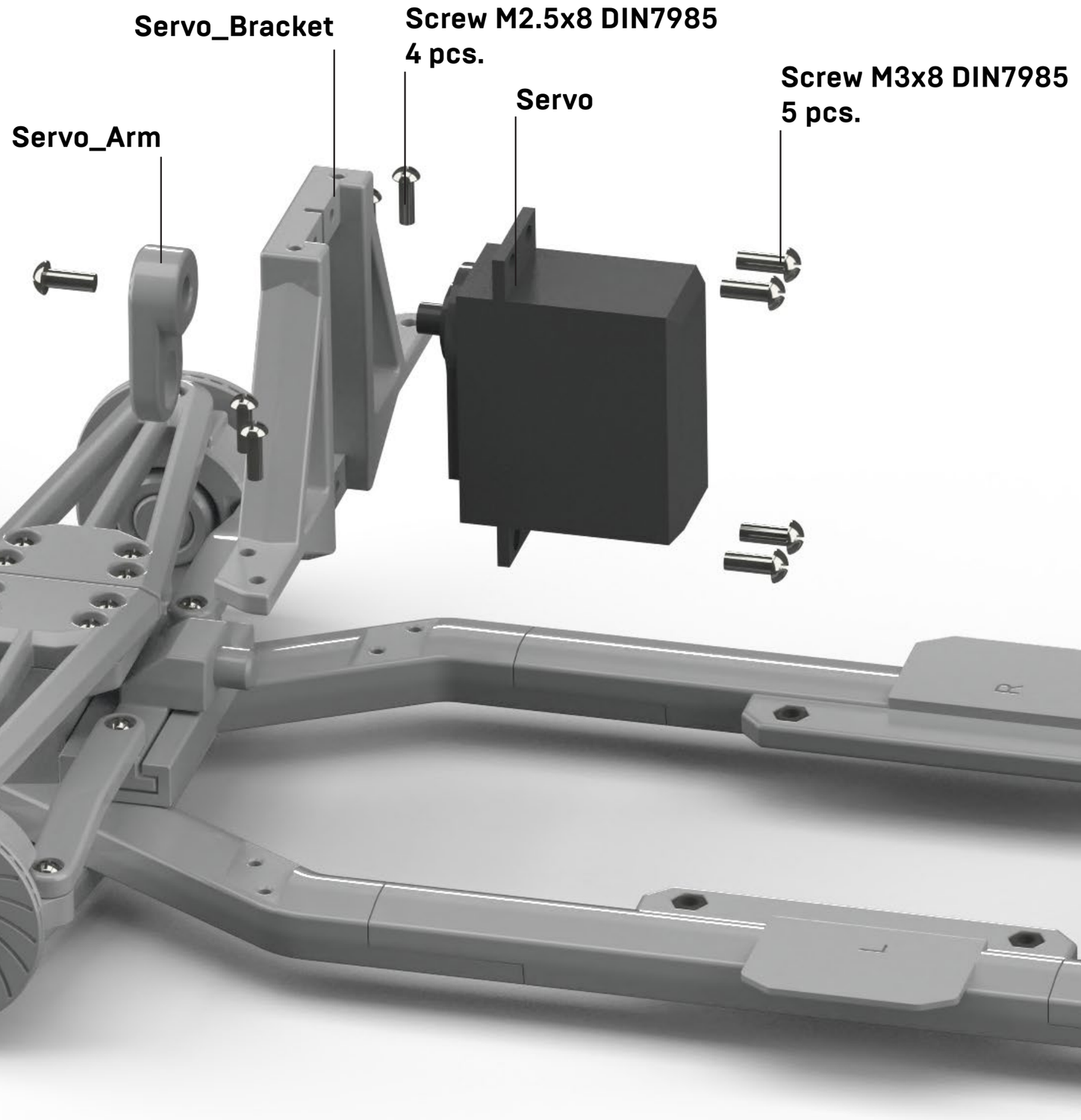
Step 11.

Screw the servo assembly to the frame

TABLE OF CONTENTS

3D printing settings

Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



Step 12.

Fasten the beam parts together with Insert_Wb-275mm or other,
and then fasten to the chassis.
The wheelbase of the chassis is variable (275-300 mm).

TABLE OF CONTENTS

3D printing settings

Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100% Zig Zag

Insert_Wb-275mm_3pcs

Beam_rear

Beam_front

Screw M2.5x8 DIN7985
16 pcs.

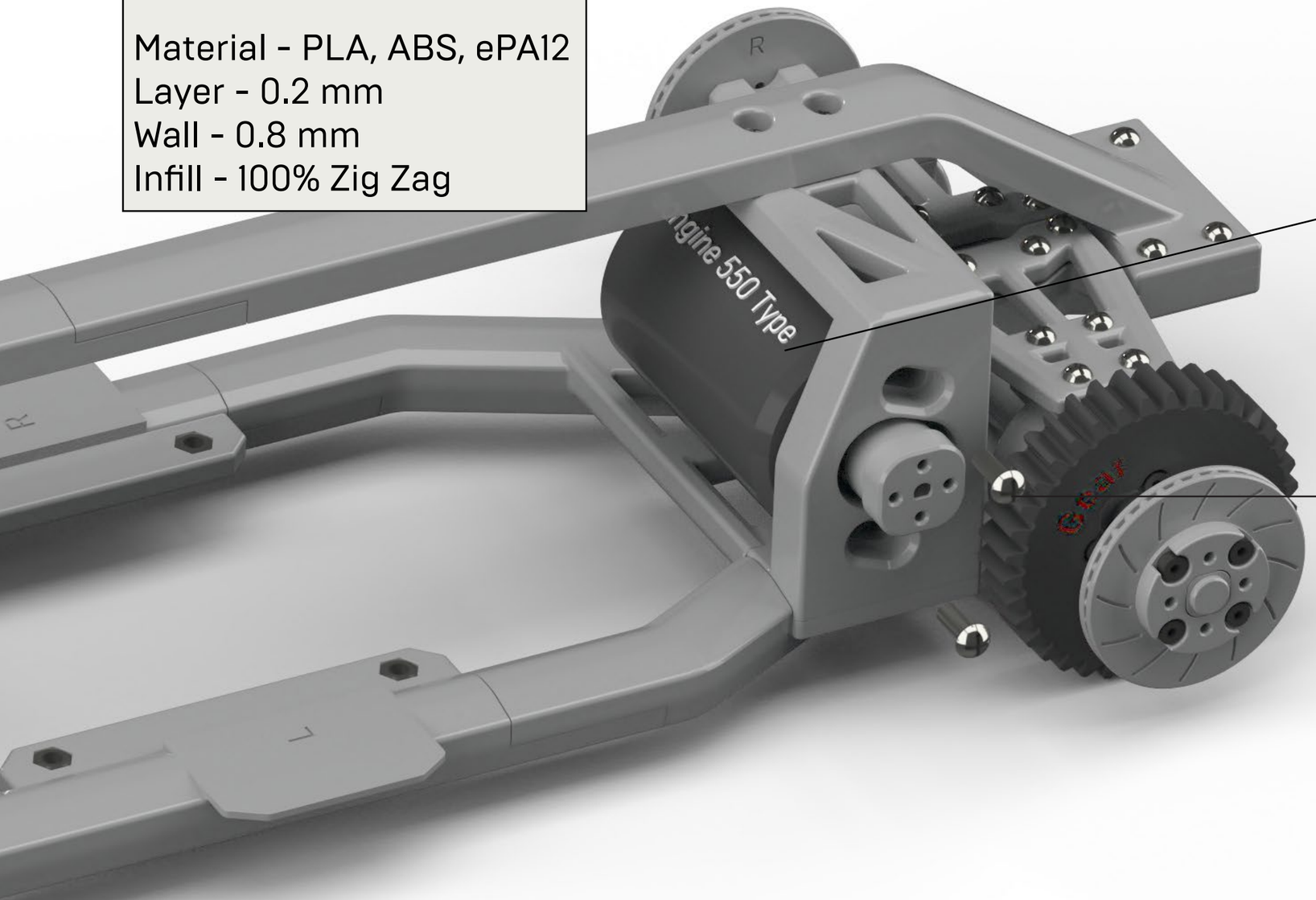
Step 13.

TABLE OF CONTENTS

Drill the engine shaft using the 2 mm drill bit and the Drill_template (approx. to a depth of 1 mm) .
Press the Engine_Insert on the engine shaft and fasten it with M3x6 DIN914 screw.
And then screw the engine to the frame.

3D printing settings

Material - PLA, ABS, ePA12
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100% Zig Zag



Engine

Engine_Insert

Screw M3x8 DIN7985
2 pcs.

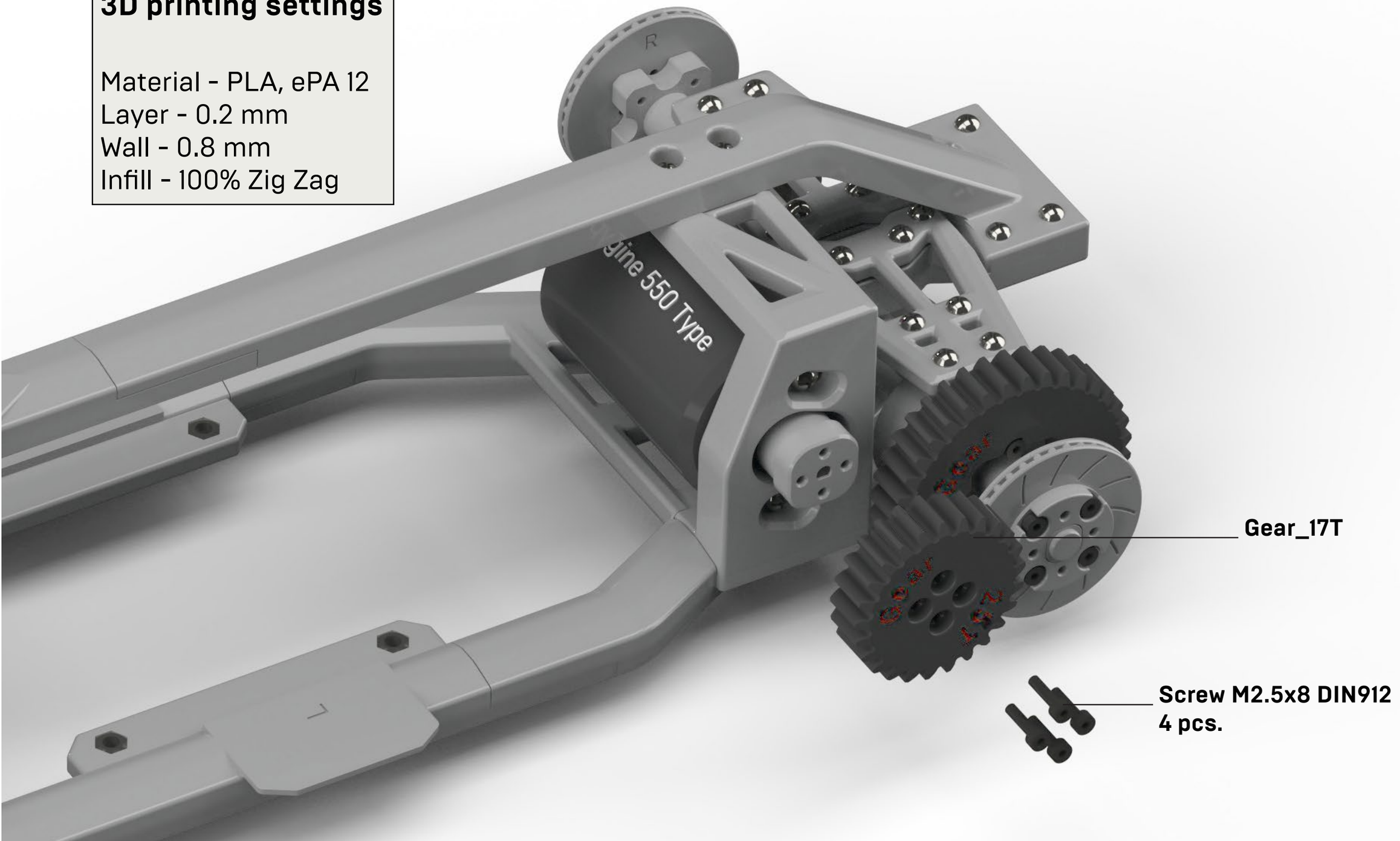
Step 14.

Screw the pinion gear to the engine

TABLE OF CONTENTS

3D printing settings

Material - PLA, ePA 12
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100% Zig Zag



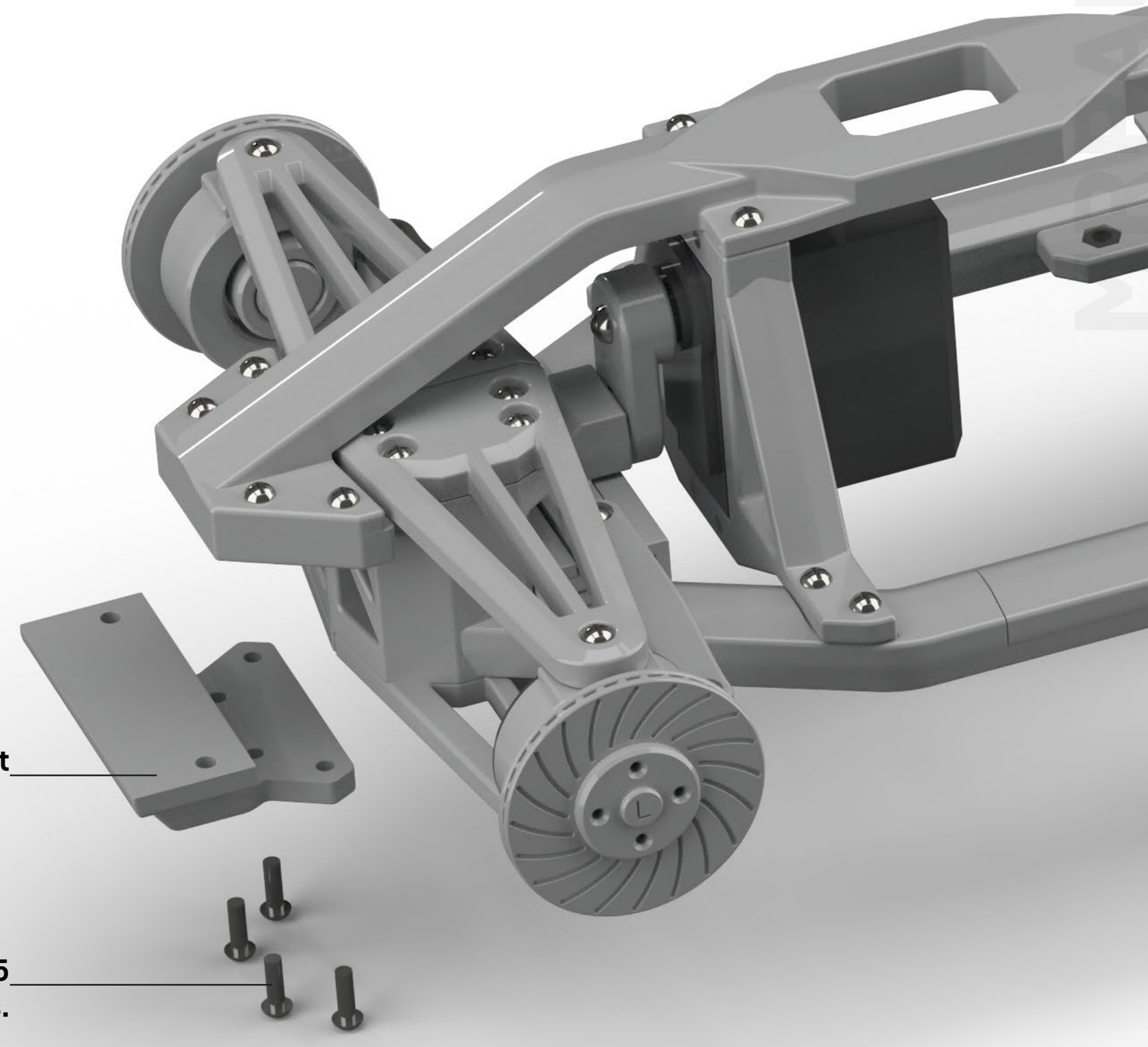
Step 15.

Screw the front body bracket

TABLE OF CONTENTS

3D printing settings

Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



Body_Bracket_Front_____

Screw M2.5x8 DIN7985_____
4 pcs.

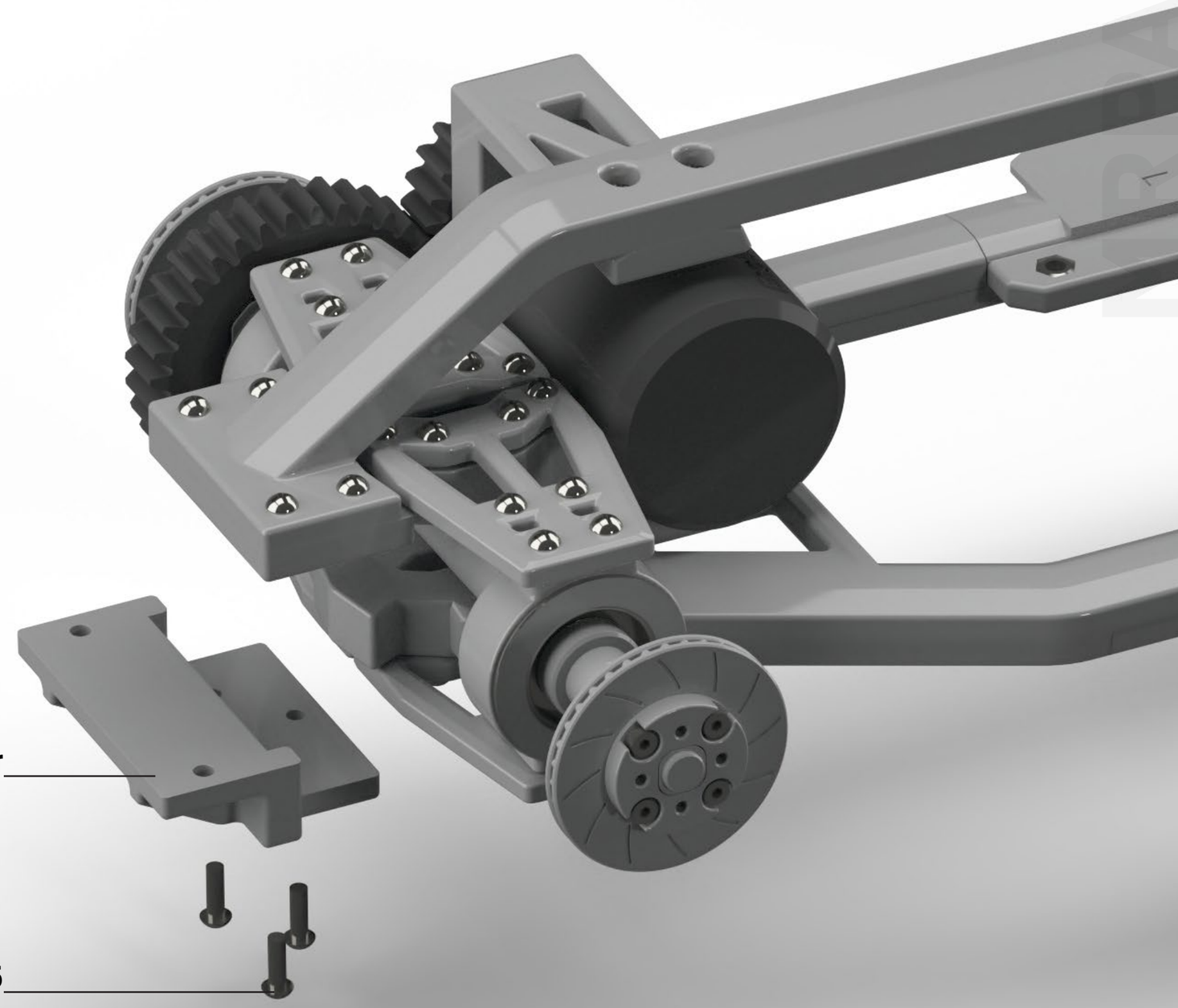
Step 16.

Screw the rear body bracket

TABLE OF CONTENTS

3D printing settings

Material - PLA, ABS
Layer - 0.2 mm
Wall - 0.8 mm
Infill - 100%



Body_Bracket_Rear

Screw M2.5x8 DIN7985
3 pcs.

Step 17.

Assemble the front and rear wheels as the same

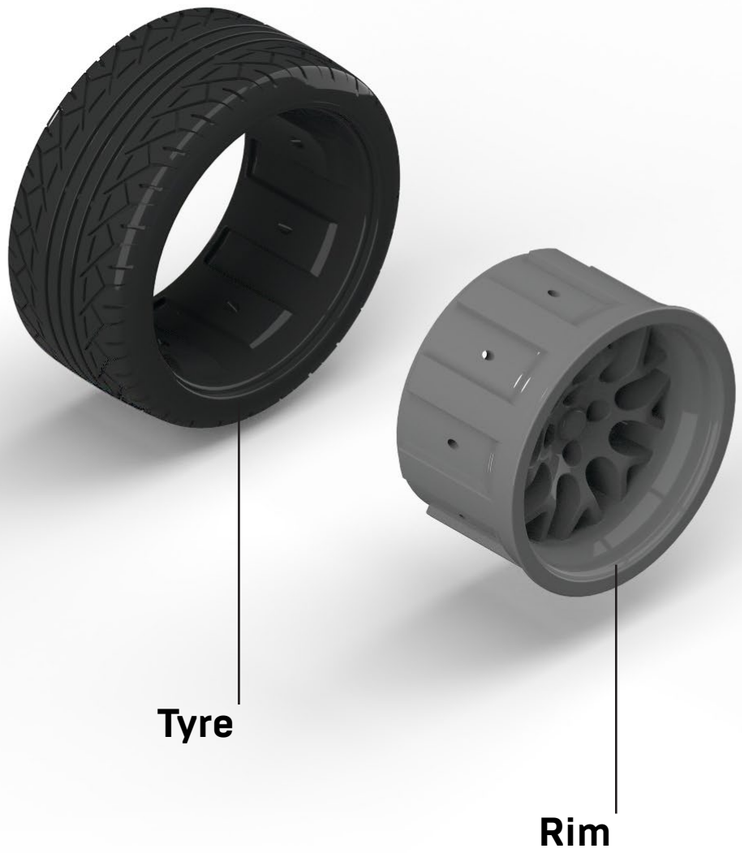
3D printing settings
-Rim-

Material - PLA, ABS
Layer - 0.1 mm
Wall - 0.8 mm
Infill - 100%

3D printing settings
-Tyre-

Material - TPU, TPE
Layer - 0.2 mm
Wall - 1.6 mm
Infill - 0%

TABLE OF CONTENTS



Step 18.

Screw the wheels to the chassis

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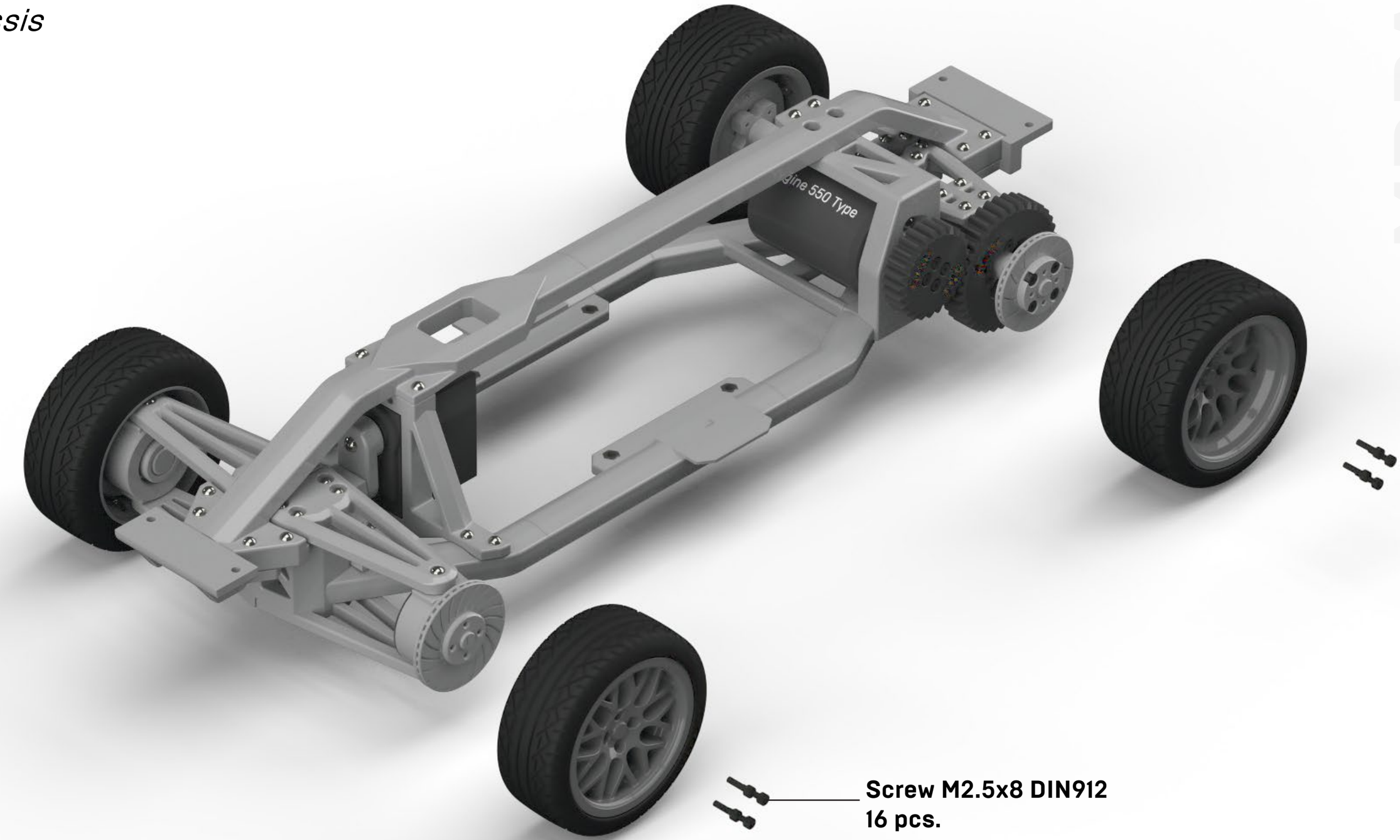
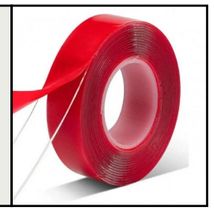


Step 19.

Mount the battery

TABLE OF CONTENTS

Fix the battery to the battery plate with double-sided adhesive tape	

Step 20.

Install electronic parts

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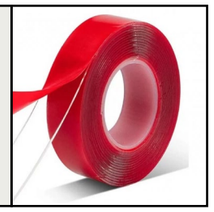
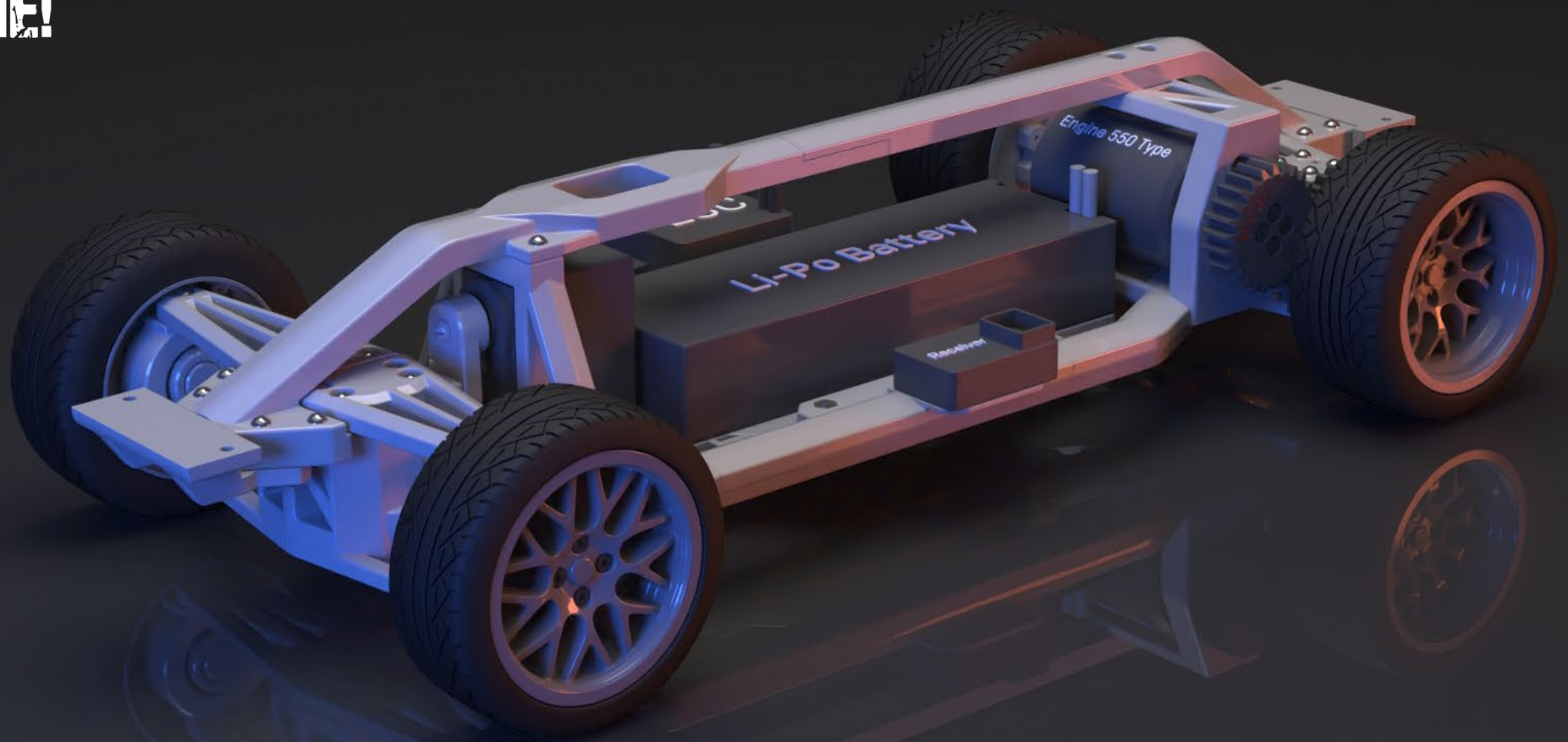
Fix the ESC and receiver to the frame with double-sided adhesive tape	

Electronic Speed Controller (ESC) 1 pc.

Receiver 1 pc.

WELL DONE!



UNIVERSAL CHASSIS DRFT.1

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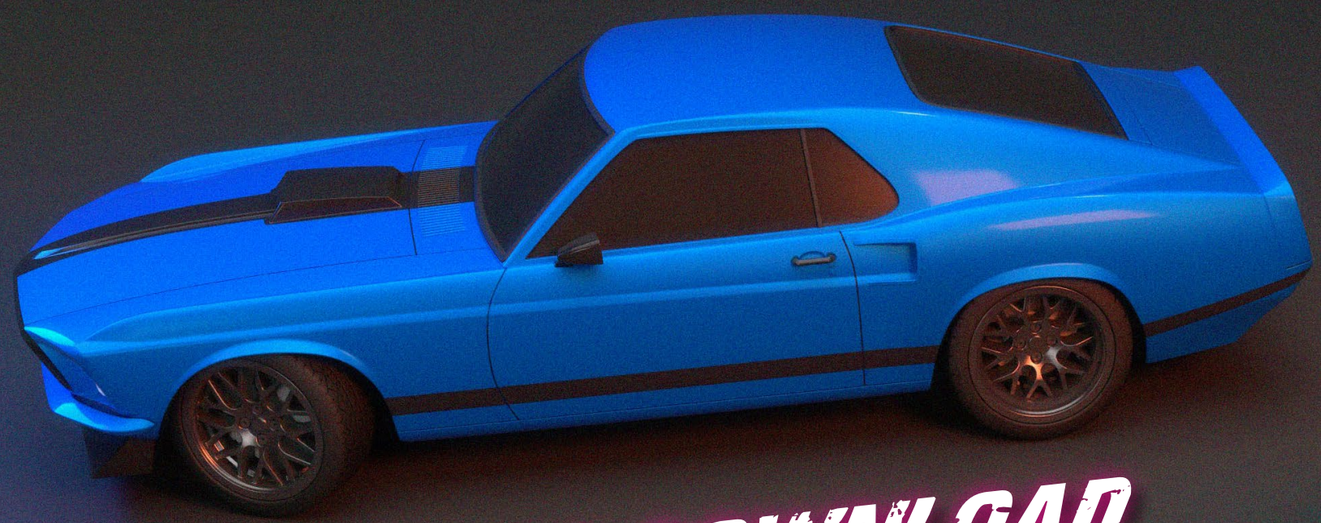
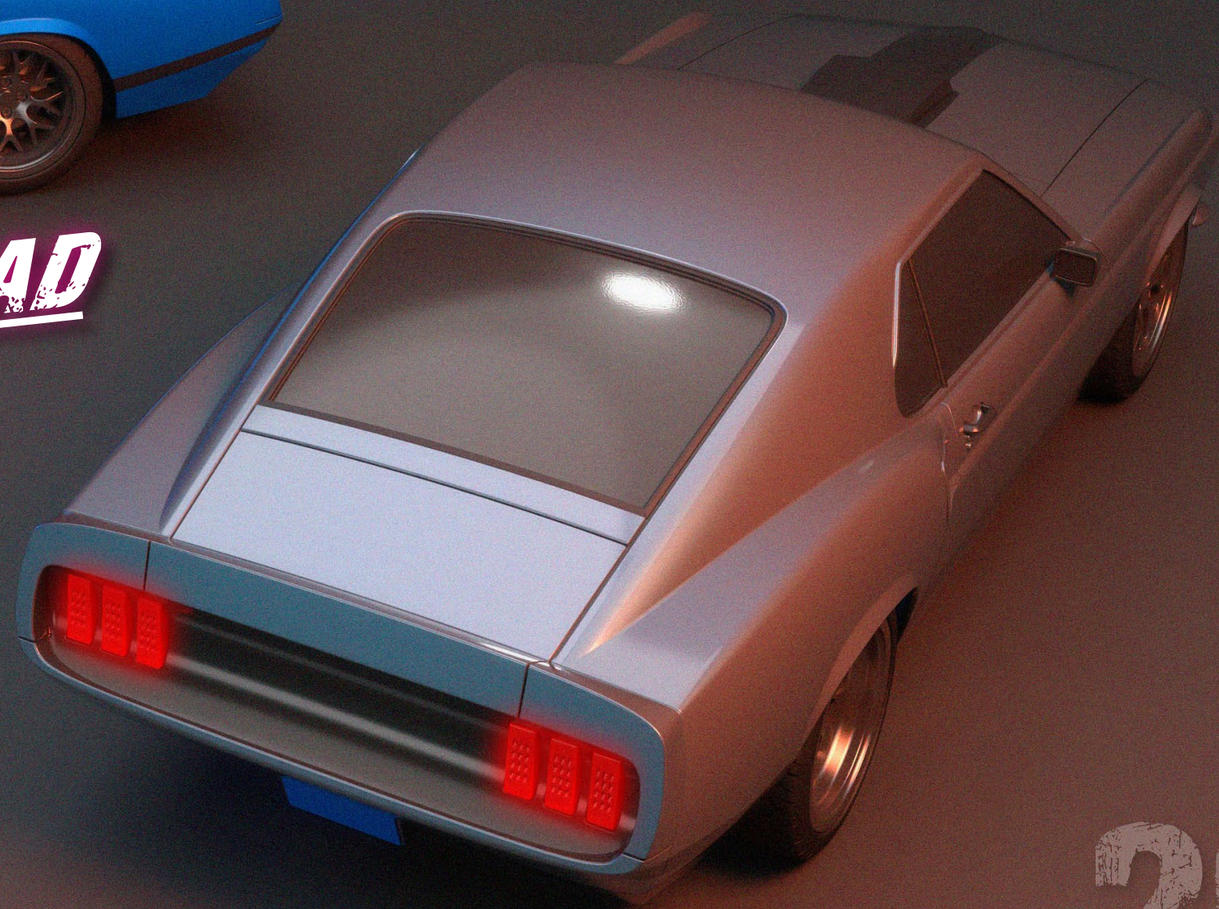
FORD MUSTANG 1969
BODY KIT / 1:10 SCALE





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FULLY COMPATIBLE WITH UNIVERSAL CHASSIS DRFT.1

MRPAULM

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