

- Symbols -

Capricorn RC

L/R

Symmetrical
Mounting

2x

Assemble as many
times as specified

1 2
3 4

Assemble in the
specified order

Note:
TEXT....

Be Careful

WARNING

This radio control model is not toy.

First time builders should seek the advice of experienced modellers before beginning assembly and/or if they do not fully understand any part of the construction. We highly advise to read the instruction manual before assembly, and to always keep it at hand for reference. Take care before operating this model; you are responsible for its assembly and safe operation. The extreme performance of this model could be underestimated by inexperienced drivers and could damage objects and/or people. Assemble this kit only in places out of children's reach!

CAPRICORN RC is not responsible for any damage or harm caused by improper use or assembly.

CAPRICORN RC and its distribution network are not responsible for any damage caused by shipping or handling.

Eventual parts missing from the kit or flawed must be reported within two weeks of purchase to your local hobby shop or distributor. For best performance, we highly advise to only use original authentic CAPRICORN RC parts.

For customer support and service please contact your local hobby shop or agent from whom you purchased this item.

Contents of box may slightly differ from the pictures shown. Construction tools, body, tires, radio system and servo, ESC, motor and battery pack are NOT INCLUDED unless otherwise stated.

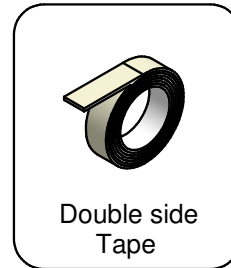
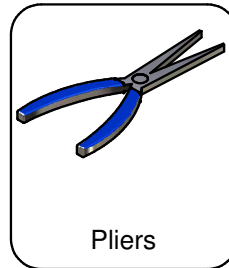
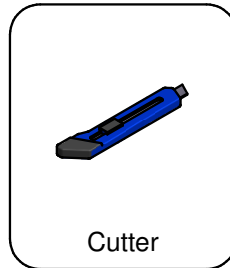
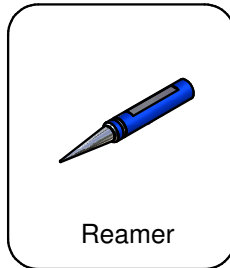
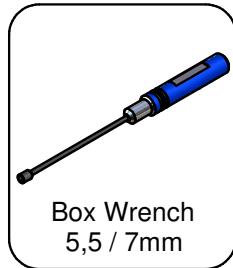
Made in Italy



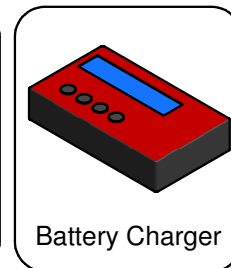
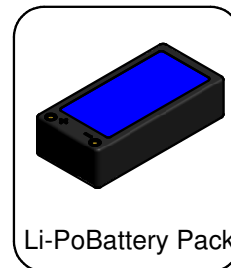
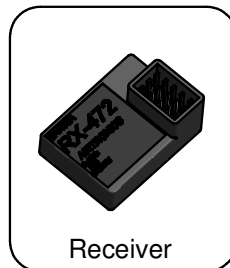
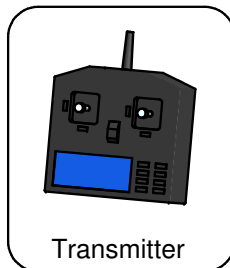
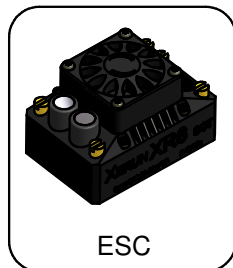
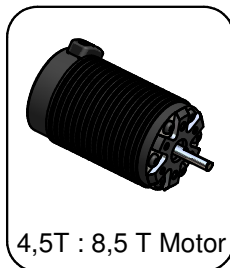
- Tools & Equipment -

Capricorn RC

Tools needed for assembly (NOT INCLUDED)



Parts for model completion and Start (NOT INCLUDED)



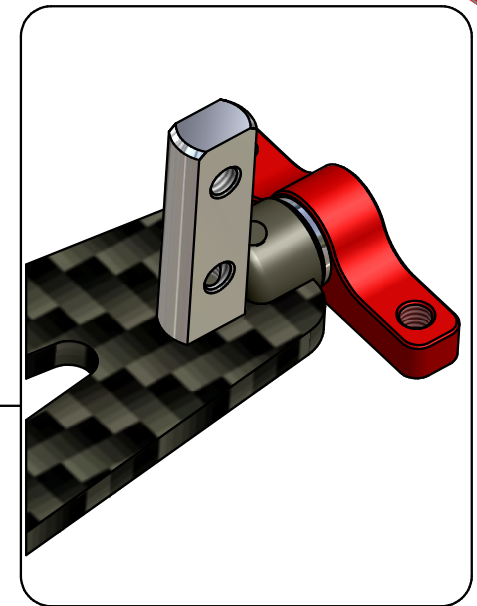
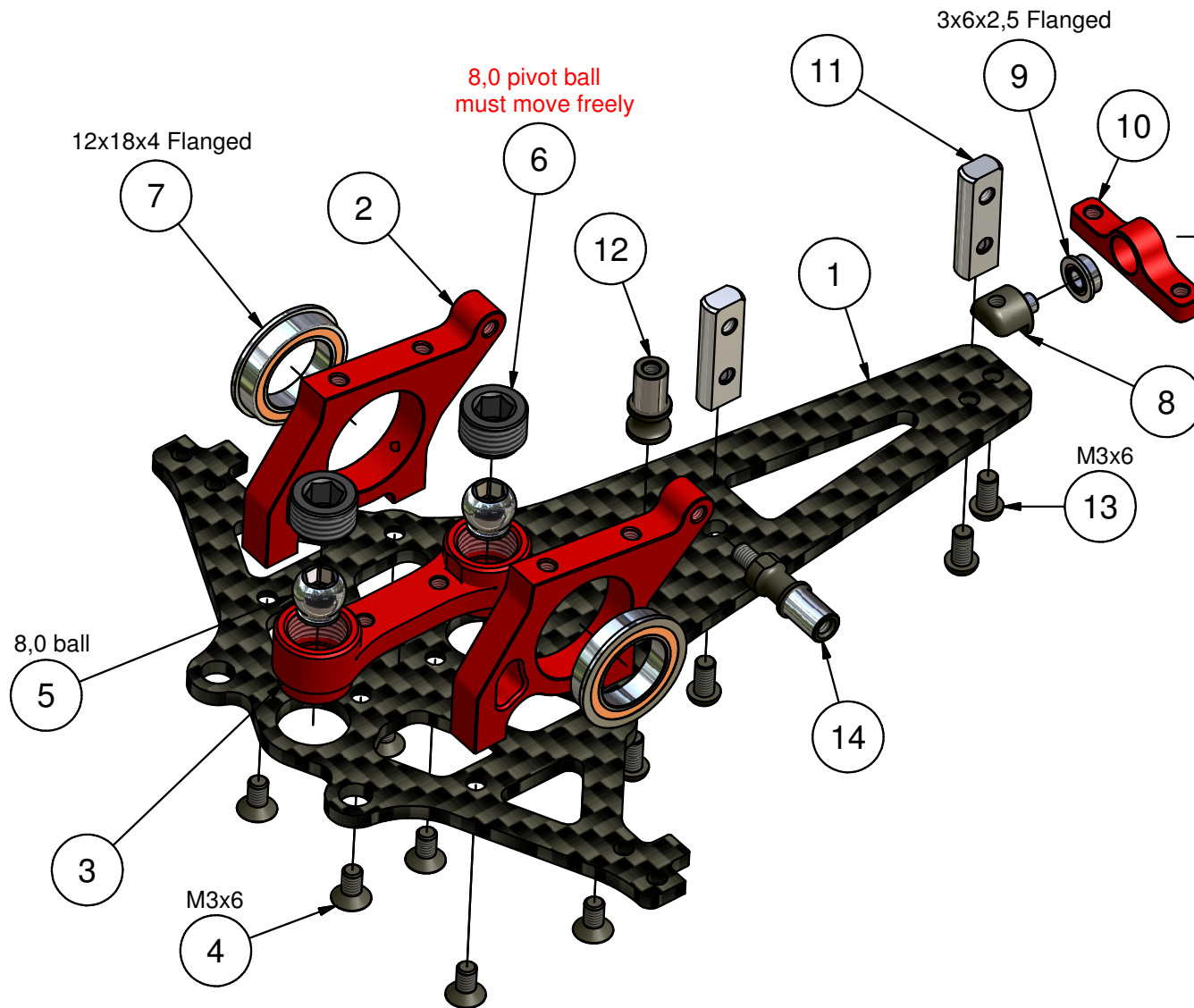
Also required: Tires - Polycarbonat body

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Step 1.0 - Front Tilting Assembly - BAG 1

Capricorn RC



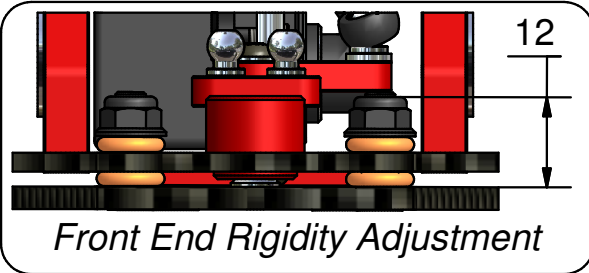
Parts List		
Rif.	n°	Code
1	1	Cap35213
2	2	Cap35214
3	1	Cap 2518
4	6	Cap17029
5	2	Cap 2522
6	2	Cap16026S
7	2	Cap35212
8	1	Cap35222
9	1	Cap 2013
10	1	Cap35221
11	2	Cap40083
12	1	Cap23006
13	4	Cap17030
14	1	Cap35220

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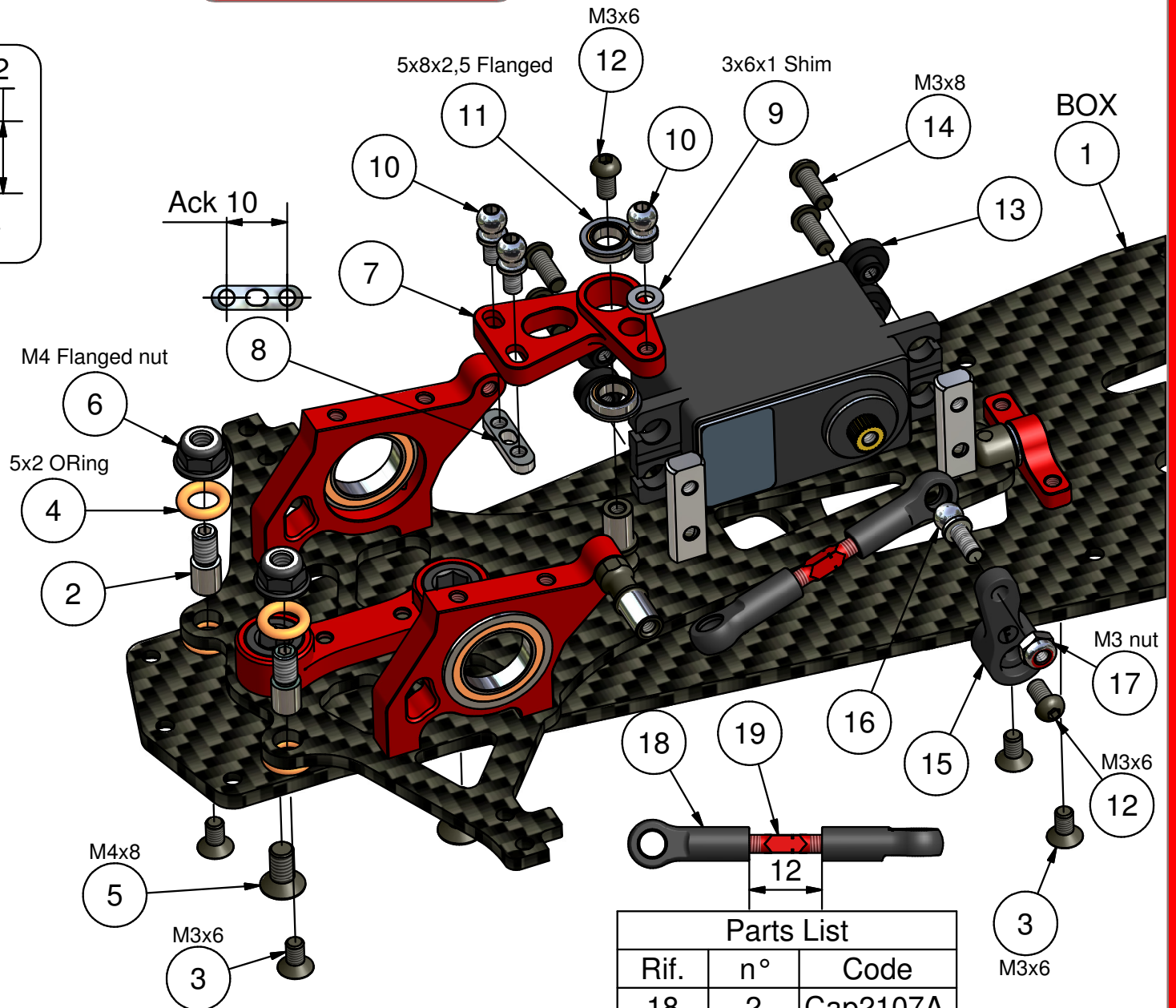


Step 1.1 - Front Tilting Assembly - BAG 1

Capricorn RC



Parts List		
Rif.	n°	Code
1	1	Cap35202
2	2	Cap 2521
3	4	Cap17029
4	4	Cap170520
5	2	Cap 2146
6	2	Cap 2548
7	1	Cap35217
8	1	Cap20029-10
9	1	Cap22021
10	3	Cap22100-N
11	2	Cap18082
12	2	Cap17030
13	4	Cap18086
14	4	Cap17032
15	1	Cap 601
16	1	Cap22101-N
17	1	Cap17040



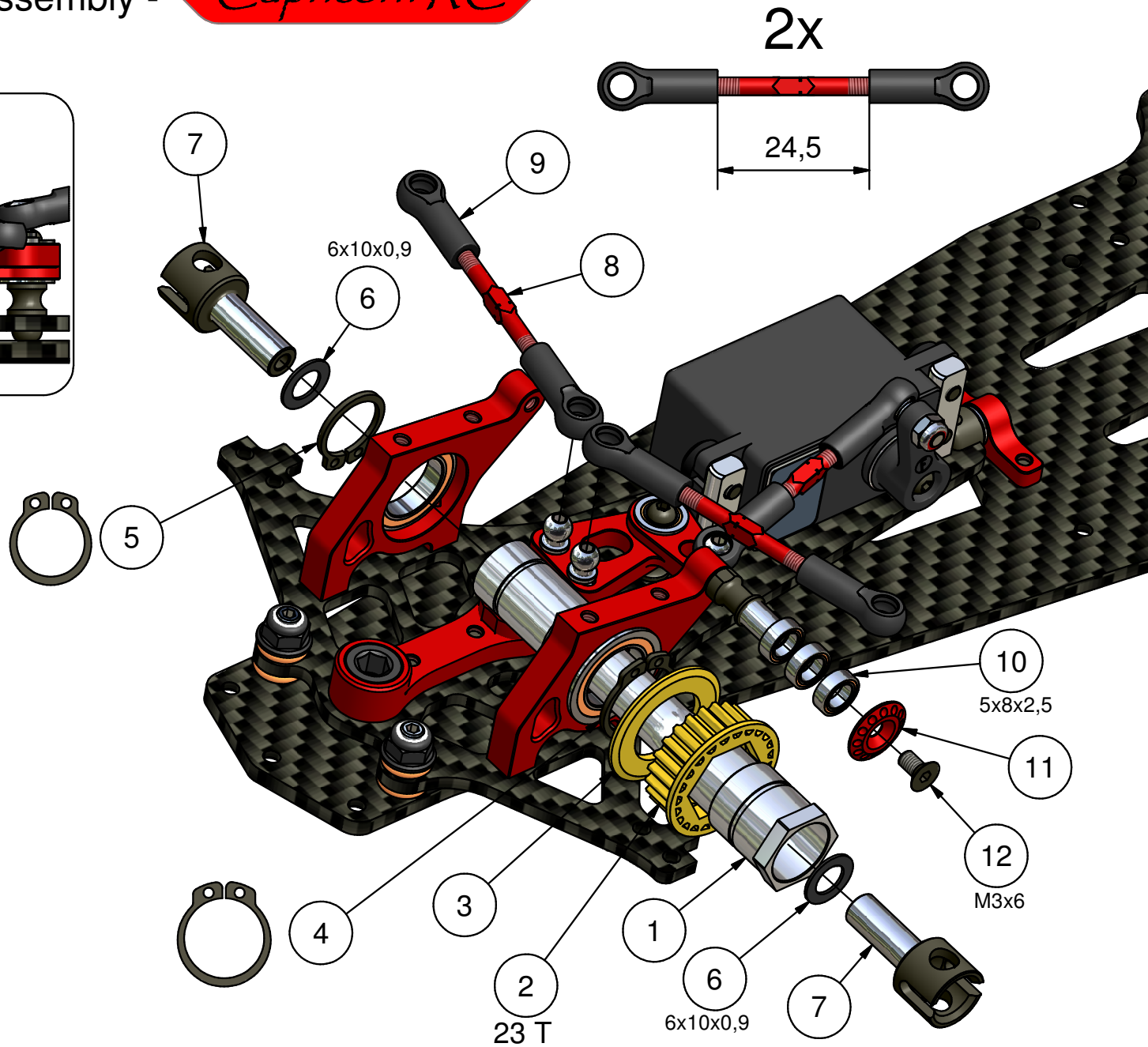
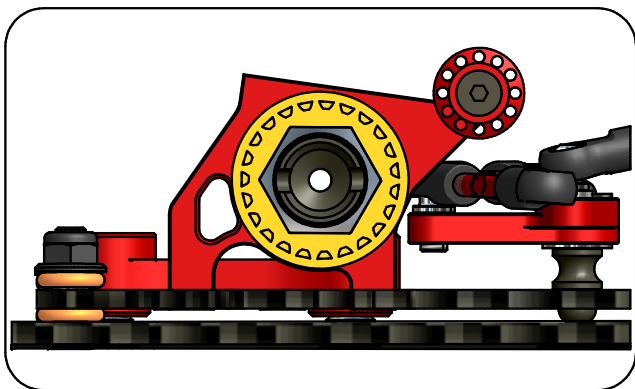
Parts List		
Rif.	n°	Code
18	2	Cap2107A
19	1	Cap29233

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Step 1.2 - Front Axle Assembly - BAG 1

Capricorn RC



Parts List		
Rif.	n°	Code
1	1	Cap35215
2	1	Cap 2101-K
3	1	Cap 2101-K
4	1	Cap 2130
5	1	Cap 2129
6	2	Cap 2057
7	2	Cap 2117
8	2	Cap29235
9	4	Cap2107A
10	3	Cap16019
11	1	Cap35226
12	1	Cap17029

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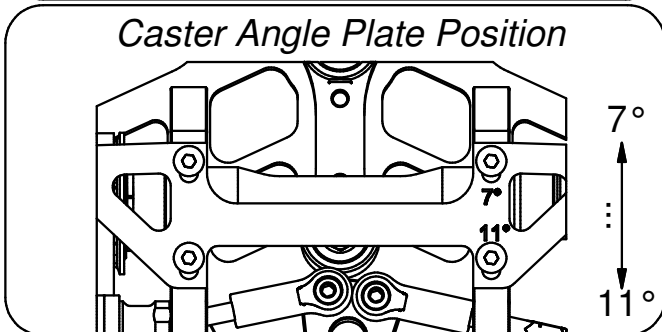
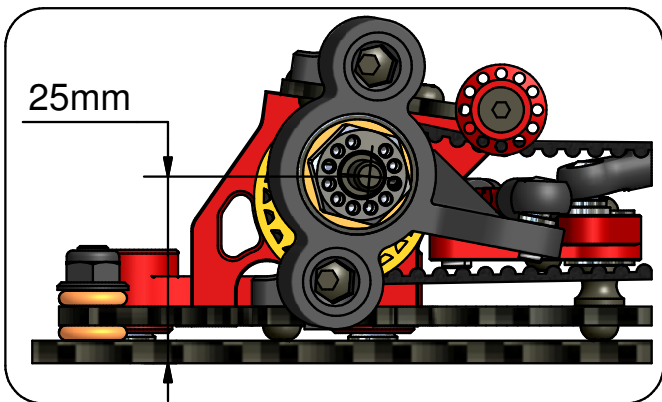


Step 2.0

- Steering Assembly - BAG 2

Capricorn RC

R/L

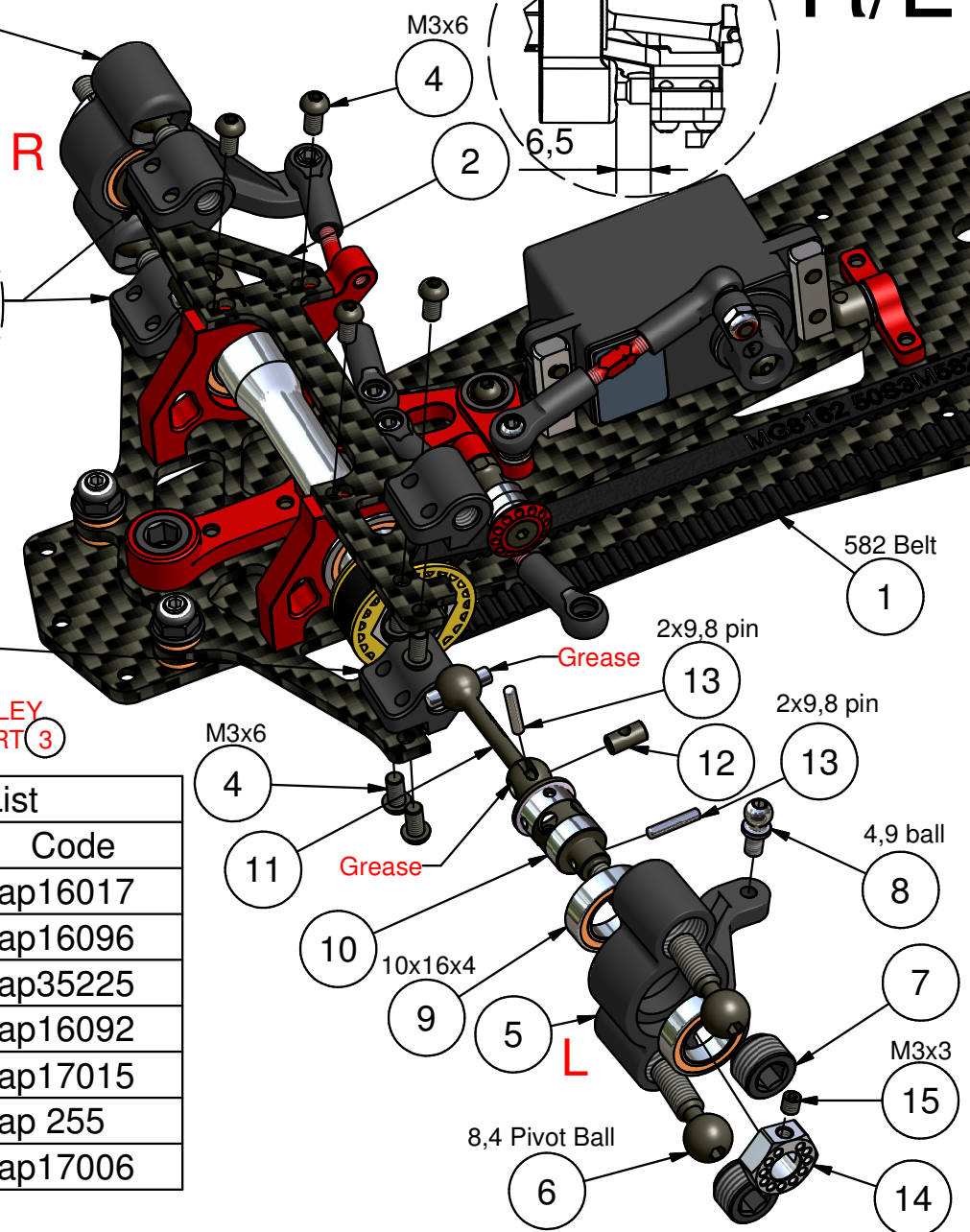


RIGHT HUB
Code Cap18165



NOTE:
FIT BELT TO THE PULLEY
BEFORE PIVOT INSERT (3)

Parts List			Parts List		
Rif.	n°	Code	Rif.	n°	Code
1	1	Cap35227	9	4	Cap16017
2	1	Cap35216	10	2	Cap16096
3	4	Cap35218	11	2	Cap35225
4	12	Cap17030	12	2	Cap16092
5	1	Cap18166	13	4	Cap17015
6	4	Cap16004S	14	2	Cap 255
7	4	Cap16026S	15	2	Cap17006
8	2	Cap22100-N			

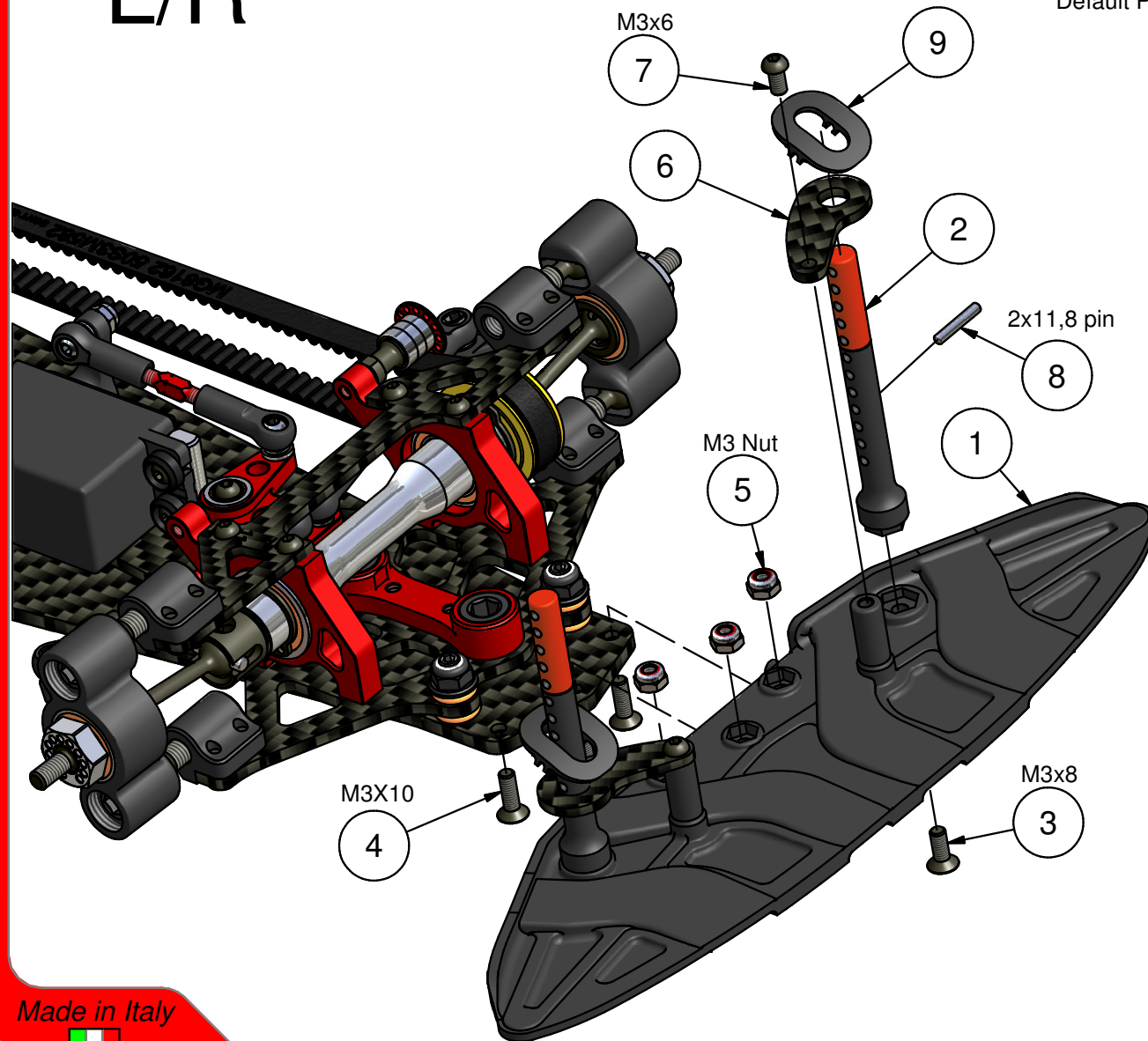


Step 2.1

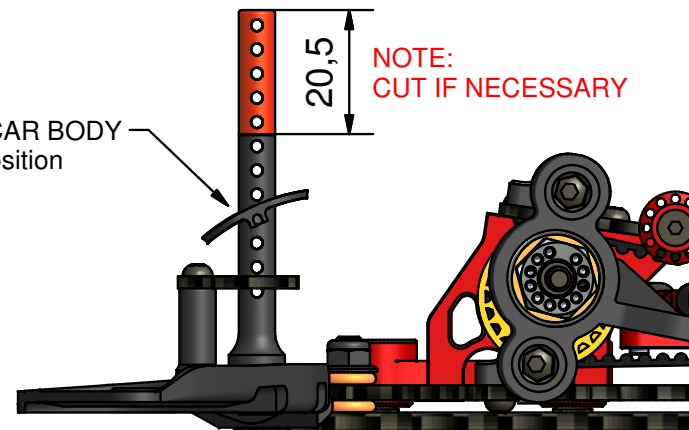
- Bumper Assembly - BAG 2

Capricorn RC

L/R



TS02E PANCAR BODY
Default Position



Parts List

Rif.	n°	Code
1	1	Cap18083
2	2	Cap15011
3	2	Cap17031
4	3	Cap17027
5	3	Cap17040
6	2	Cap40230
7	2	Cap17030
8	2	Cap17016
9	2	Cap15013

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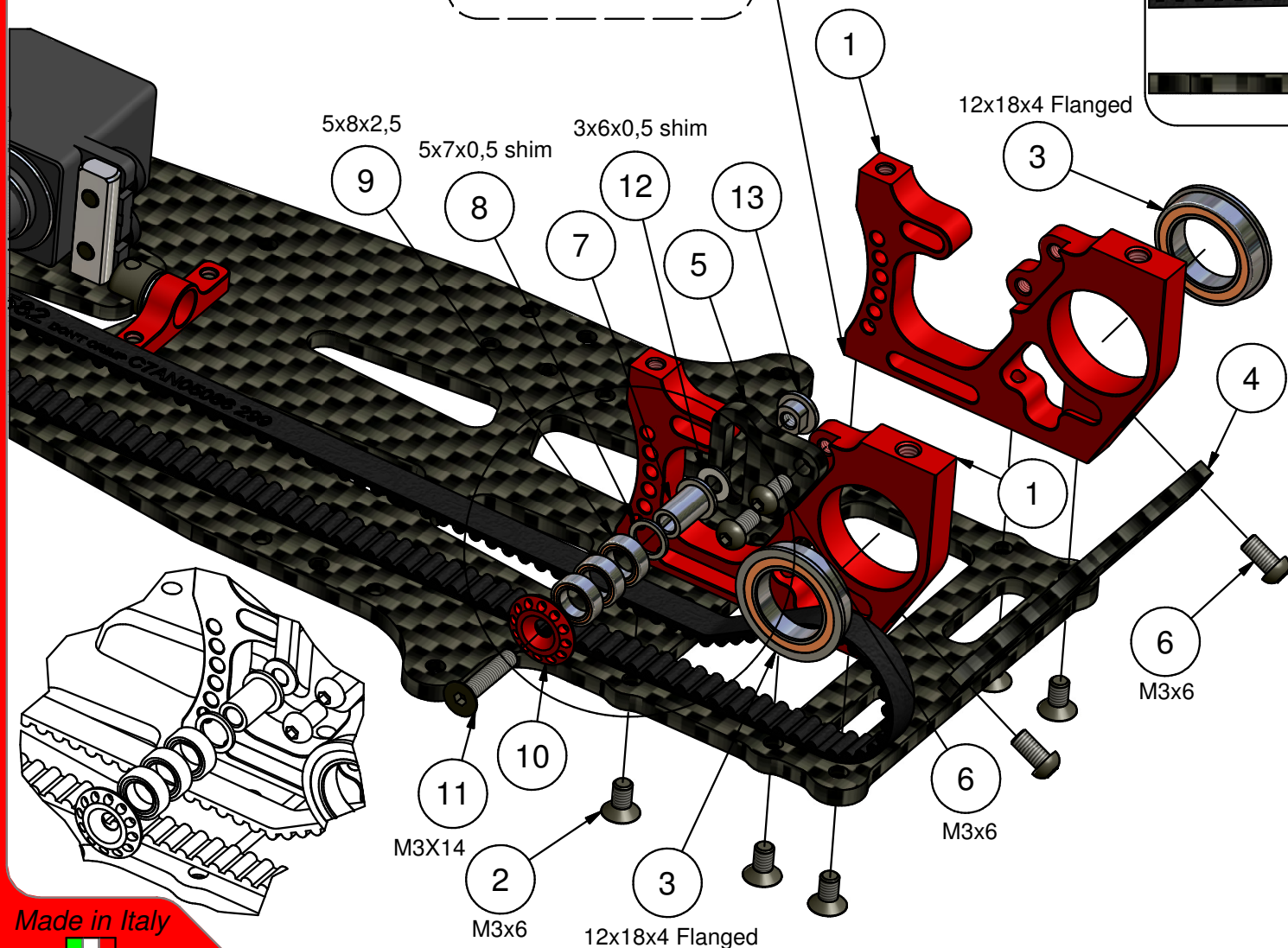
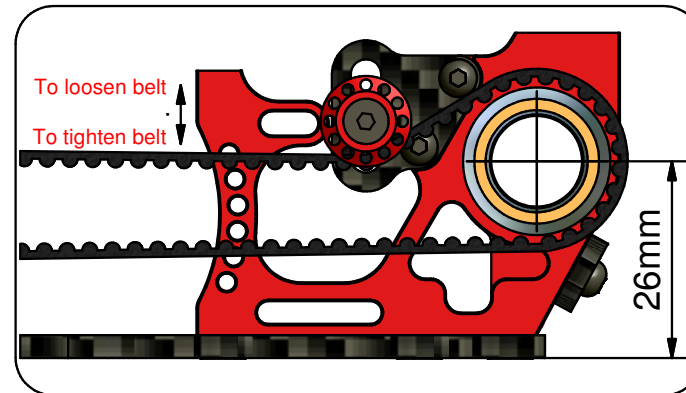
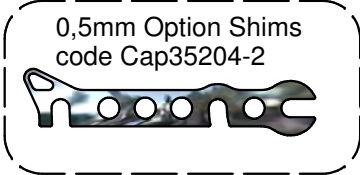


Step 3.0

- Rear Assembly - BAG 3

Capricorn RC

L/R



Parts List		
Rif.	n°	Code
1	2	Cap35203
2	6	Cap17029
3	2	Cap35212
4	1	Cap35206
5	1	Cap35207
6	4	Cap17030
7	1	Cap16012
8	1	Cap 434
9	3	Cap16019
10	1	Cap35226
11	1	Cap17130
12	1	Cap22020
13	1	Cap15010

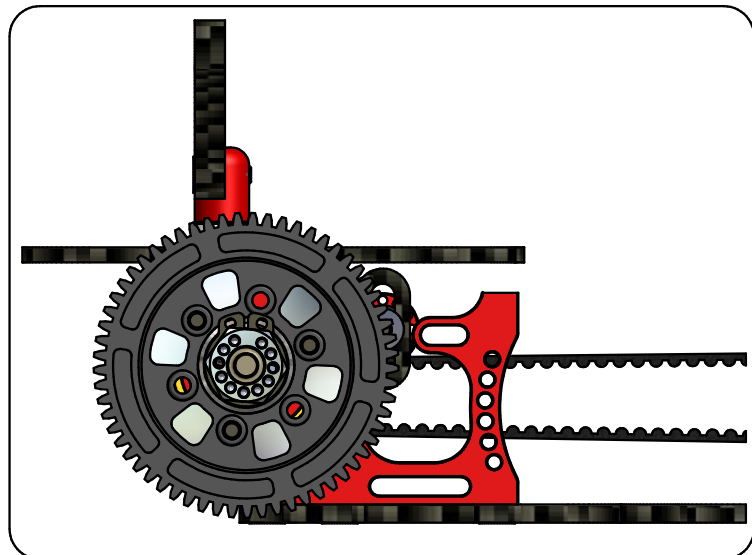
Made in Italy



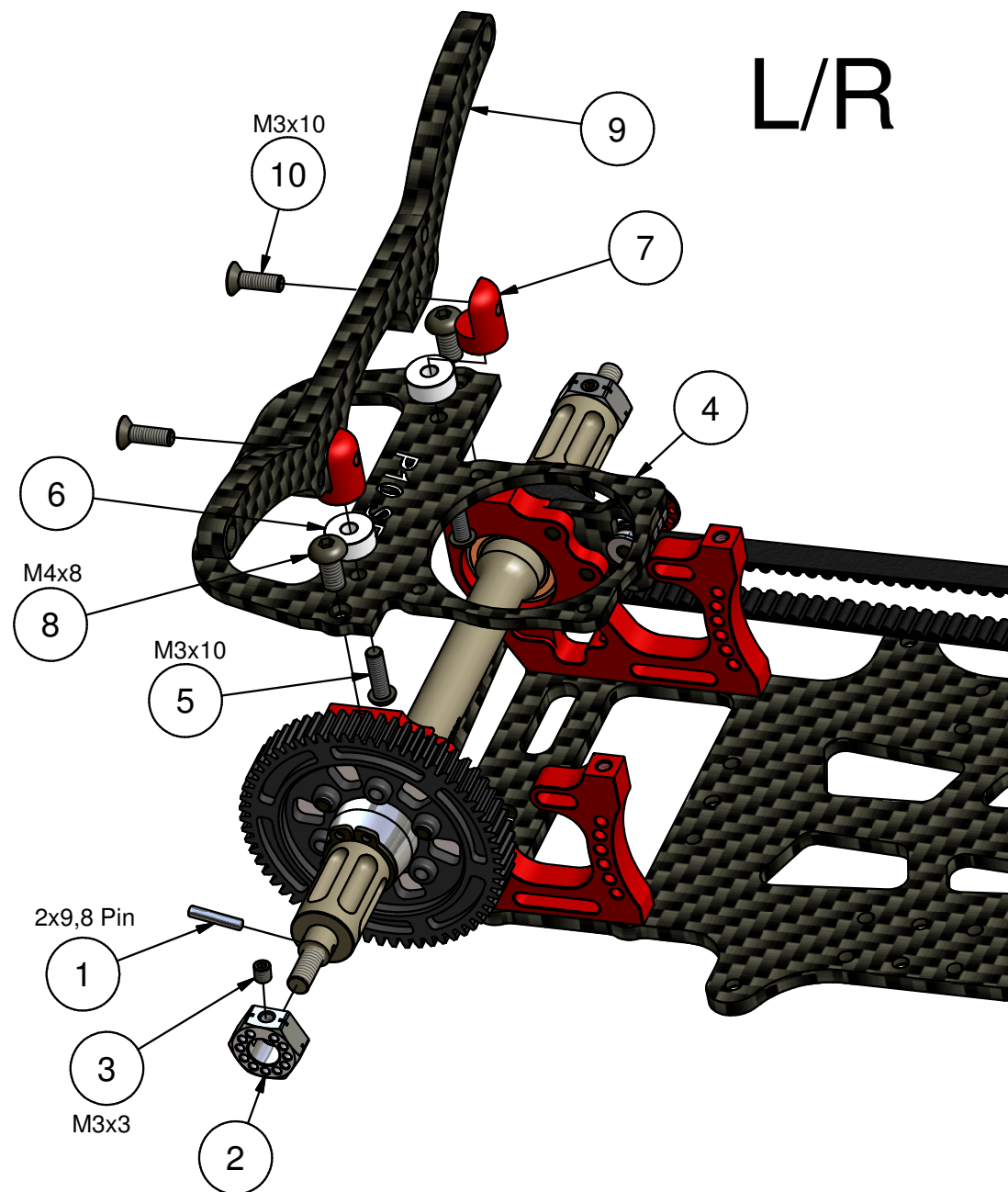
Step 3.2

- Rear Assembly - BAG 3

Capricorn RC



Parts List		
Rif.	n°	Code
1	2	Cap17015
2	2	Cap 255+
3	2	Cap17006
4	1	Cap35205
5	2	Cap17023
6	2	Cap35229
7	2	Cap35209
8	2	Cap 2147
9	1	Cap35208
10	2	Cap17027



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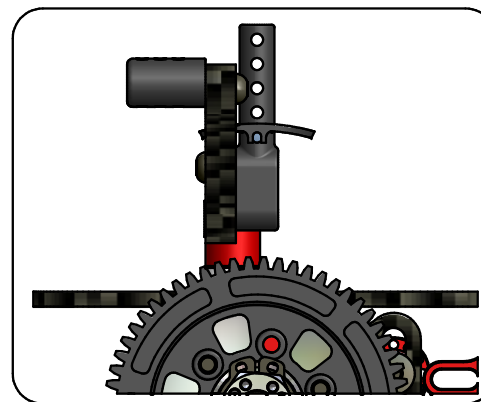


Step 4.0

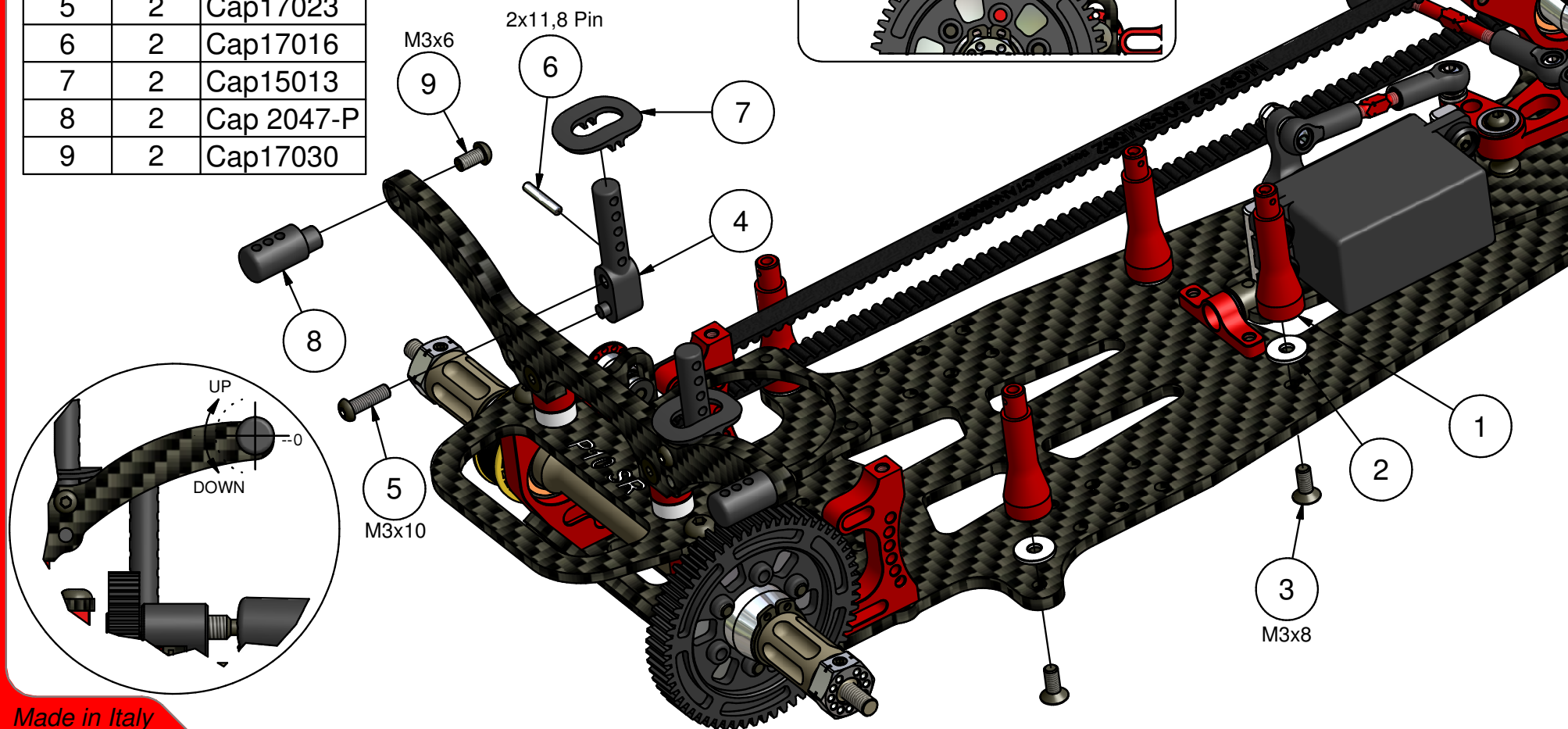
- Rear Assembly - BAG 4

Capricorn RC

Parts List		
Rif.	n°	Code
1	4	Cap35223
2	4	Cap35228
3	4	Cap17031
4	2	Cap15012
5	2	Cap17023
6	2	Cap17016
7	2	Cap15013
8	2	Cap 2047-P
9	2	Cap17030



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Step 4.1

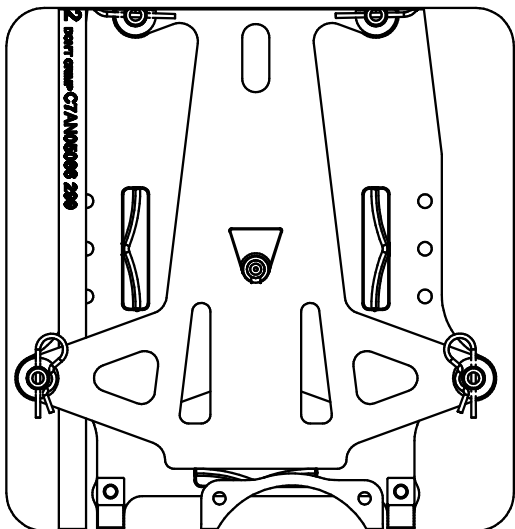
- Central Assembly - BAG 4

Capricorn RC

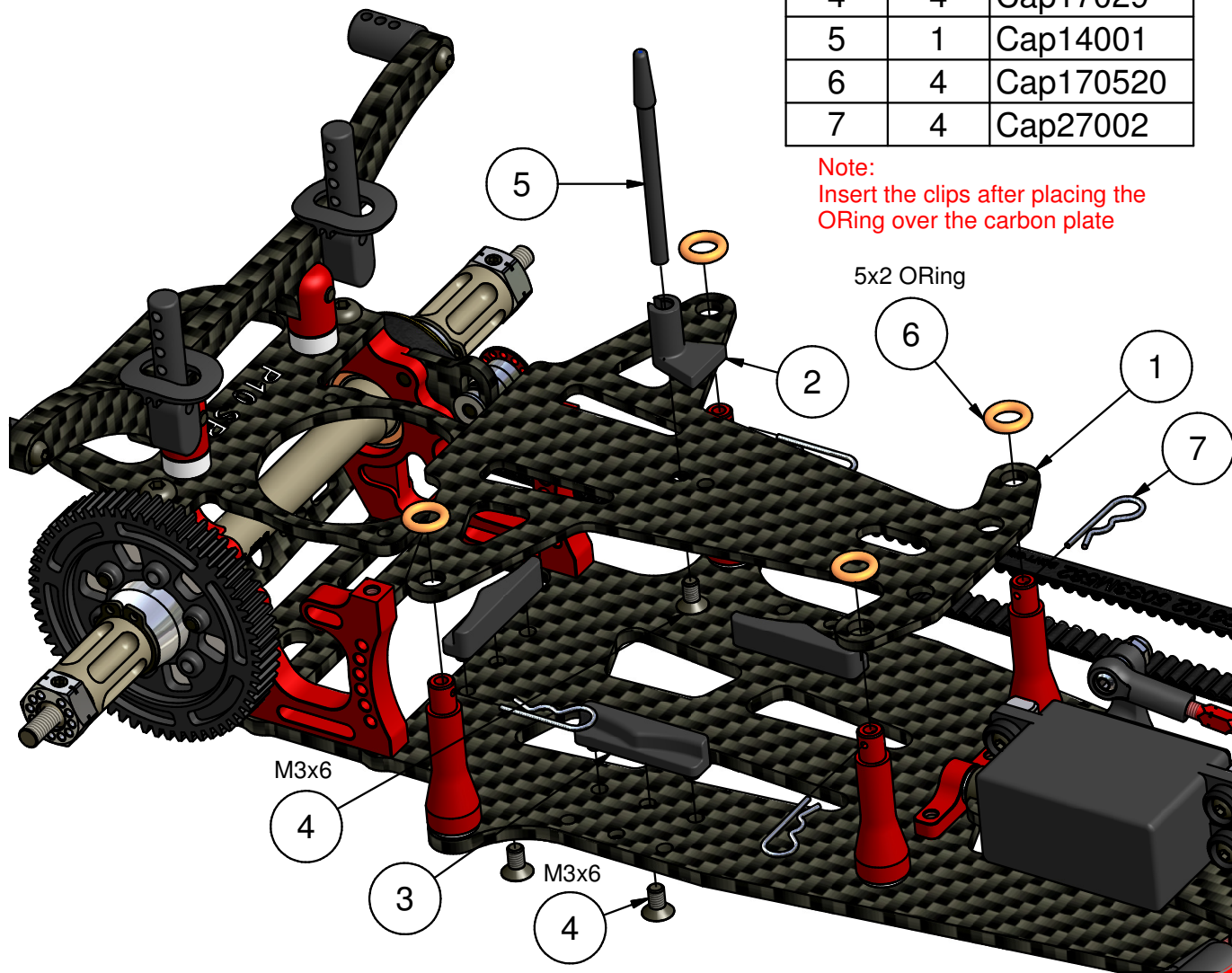
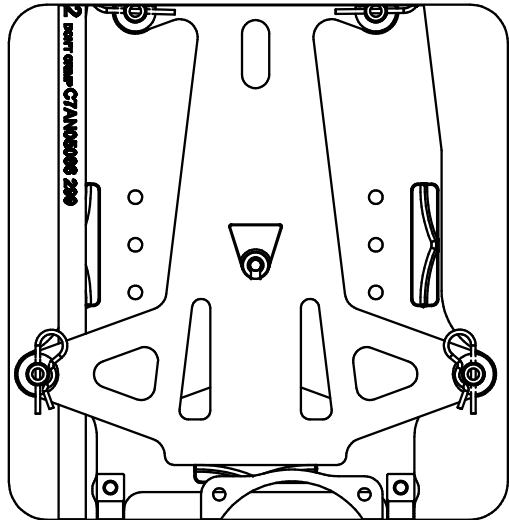
Parts List		
Rif.	n°	Code
1	1	Cap35224
2	1	Cap2101A
3	3	Cap40018-P
4	4	Cap17029
5	1	Cap14001
6	4	Cap170520
7	4	Cap27002

Note:
Insert the clips after placing the
ORing over the carbon plate

SHORTY BATTERY LAYOUT



SQUARE BATTERY LAYOUT



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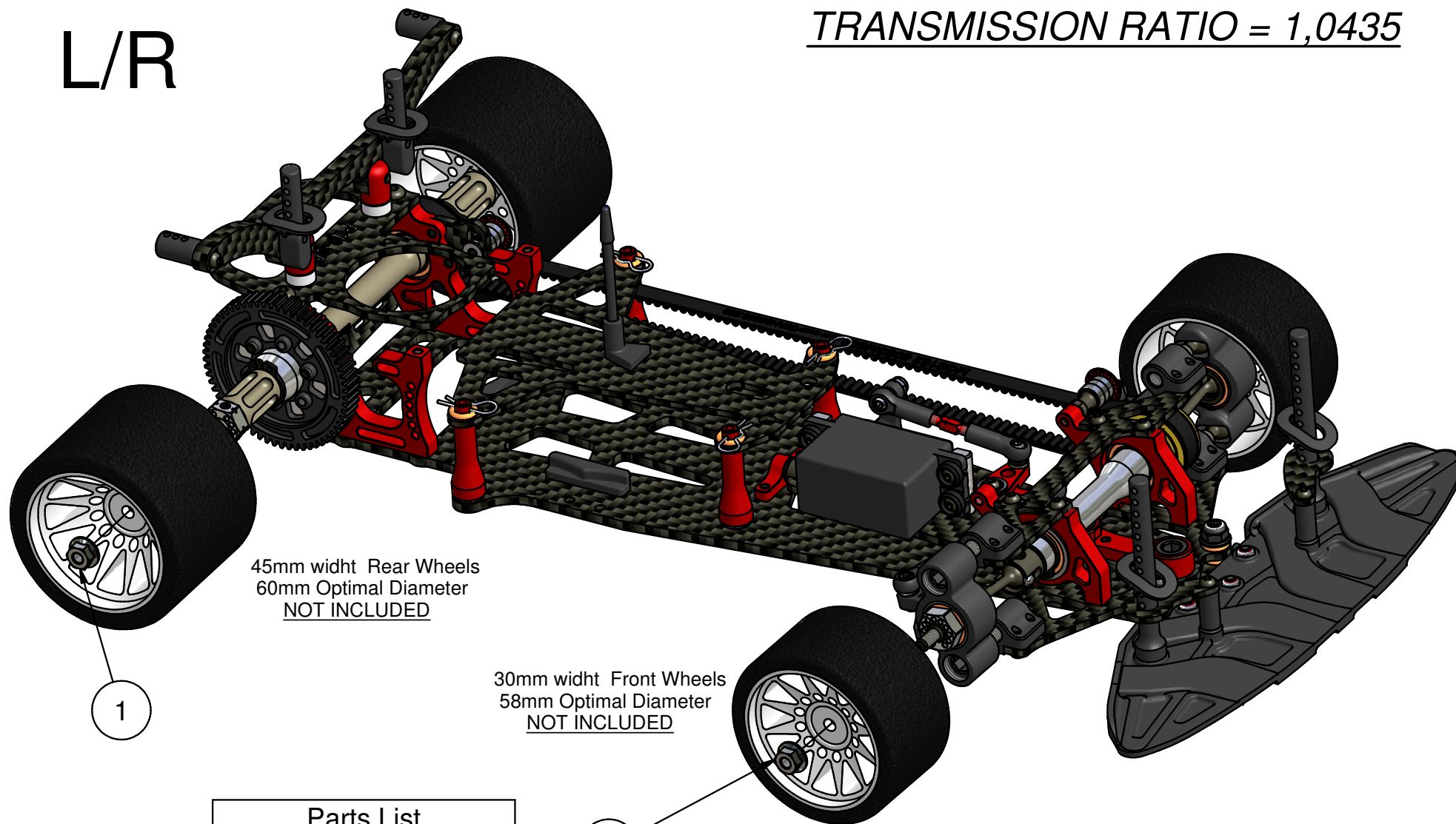
Step 4.2

- Wheel Assembly - BAG 4

Capricorn RC

TRANSMISSION RATIO = 1,0435

L/R



45mm width Rear Wheels
60mm Optimal Diameter
NOT INCLUDED

30mm width Front Wheels
58mm Optimal Diameter
NOT INCLUDED

Parts List		
Rif.	n°	Code
1	4	Cap 854

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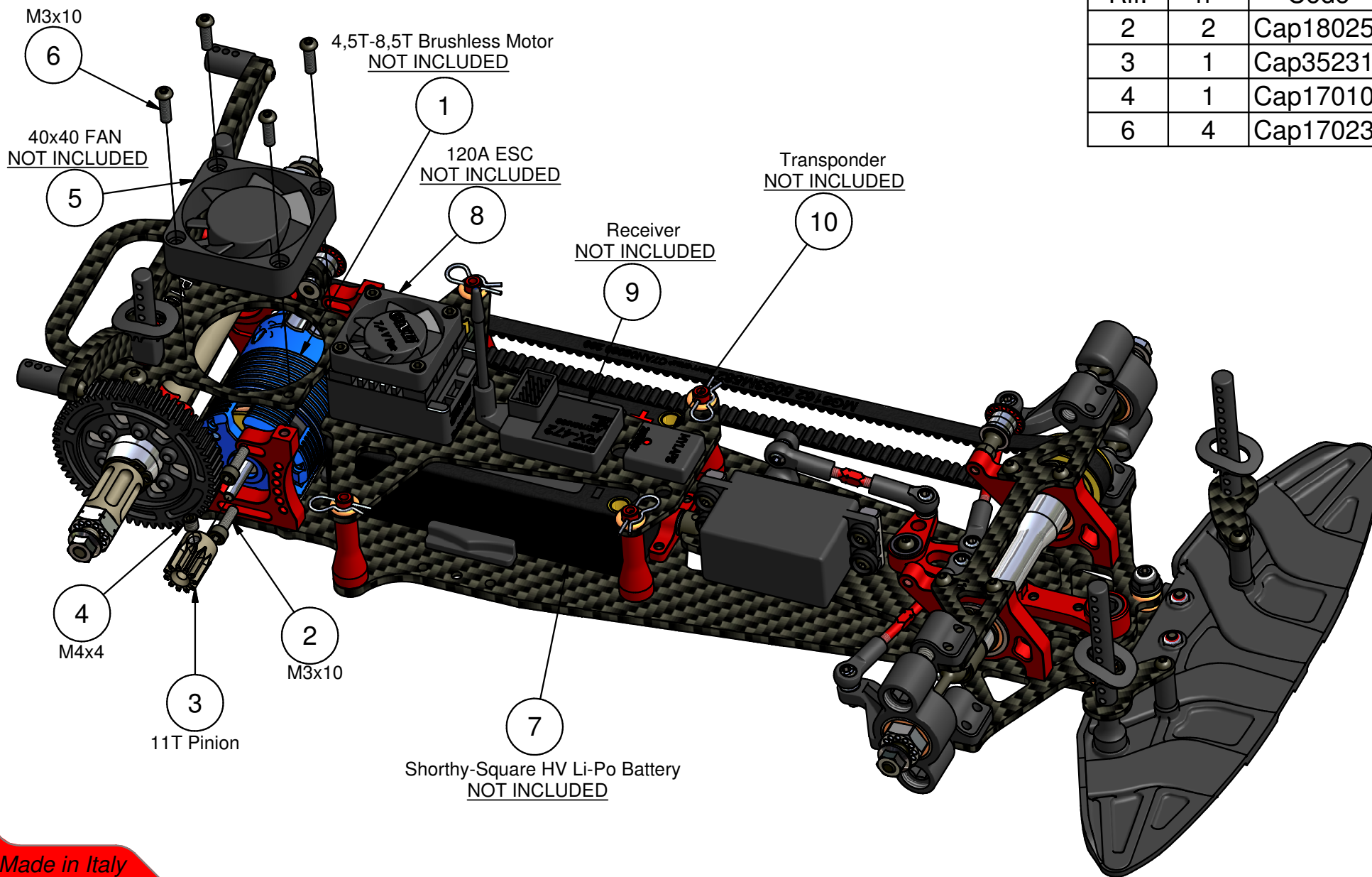


Step 4.3

- Electronics Assembly - BAG 4

Capricorn RC

Parts List		
Rif.	n°	Code
2	2	Cap18025
3	1	Cap35231
4	1	Cap17010
6	4	Cap17023



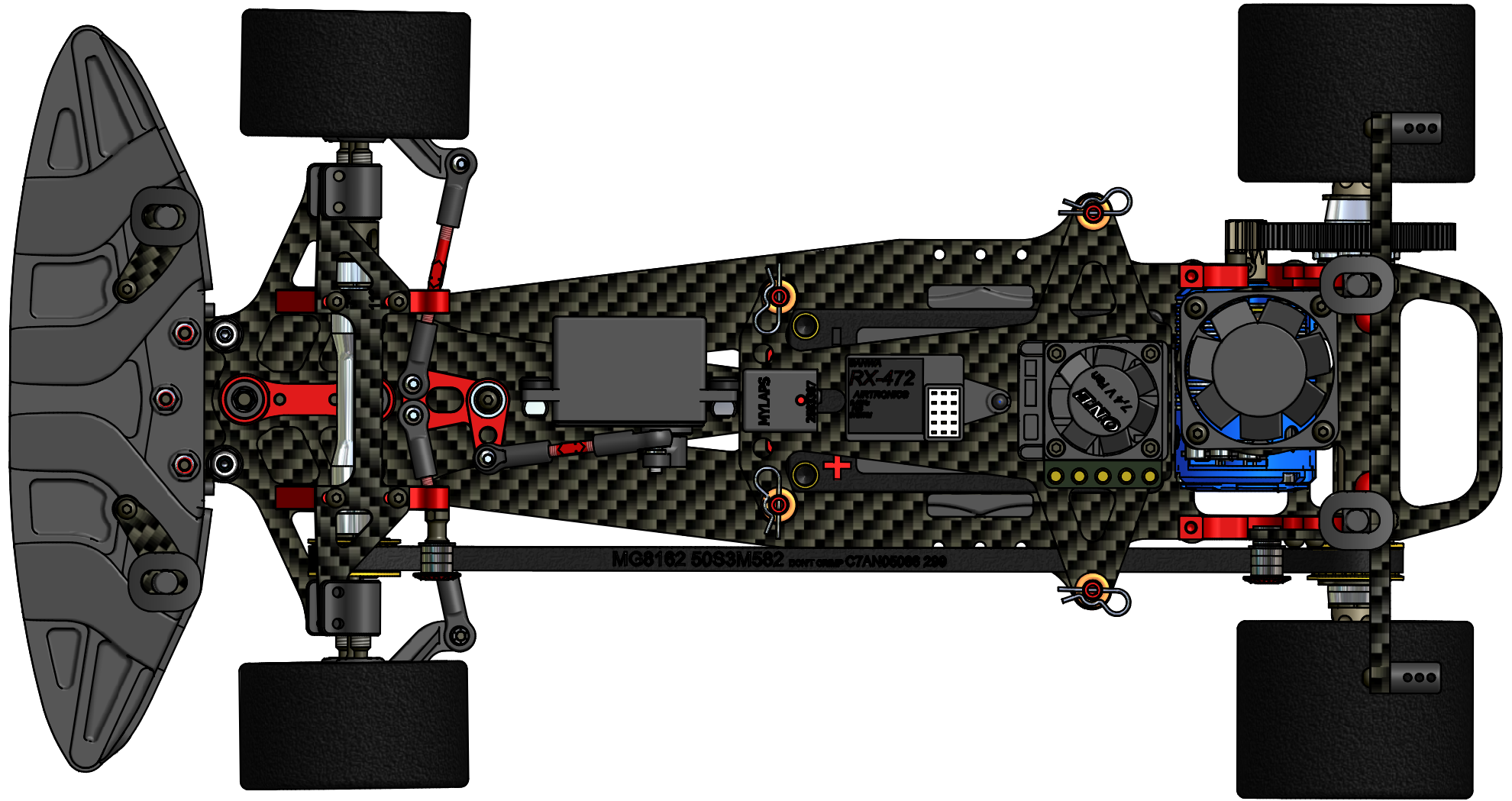
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Step 4.4

- Final Assembly View -

Capricorn RC

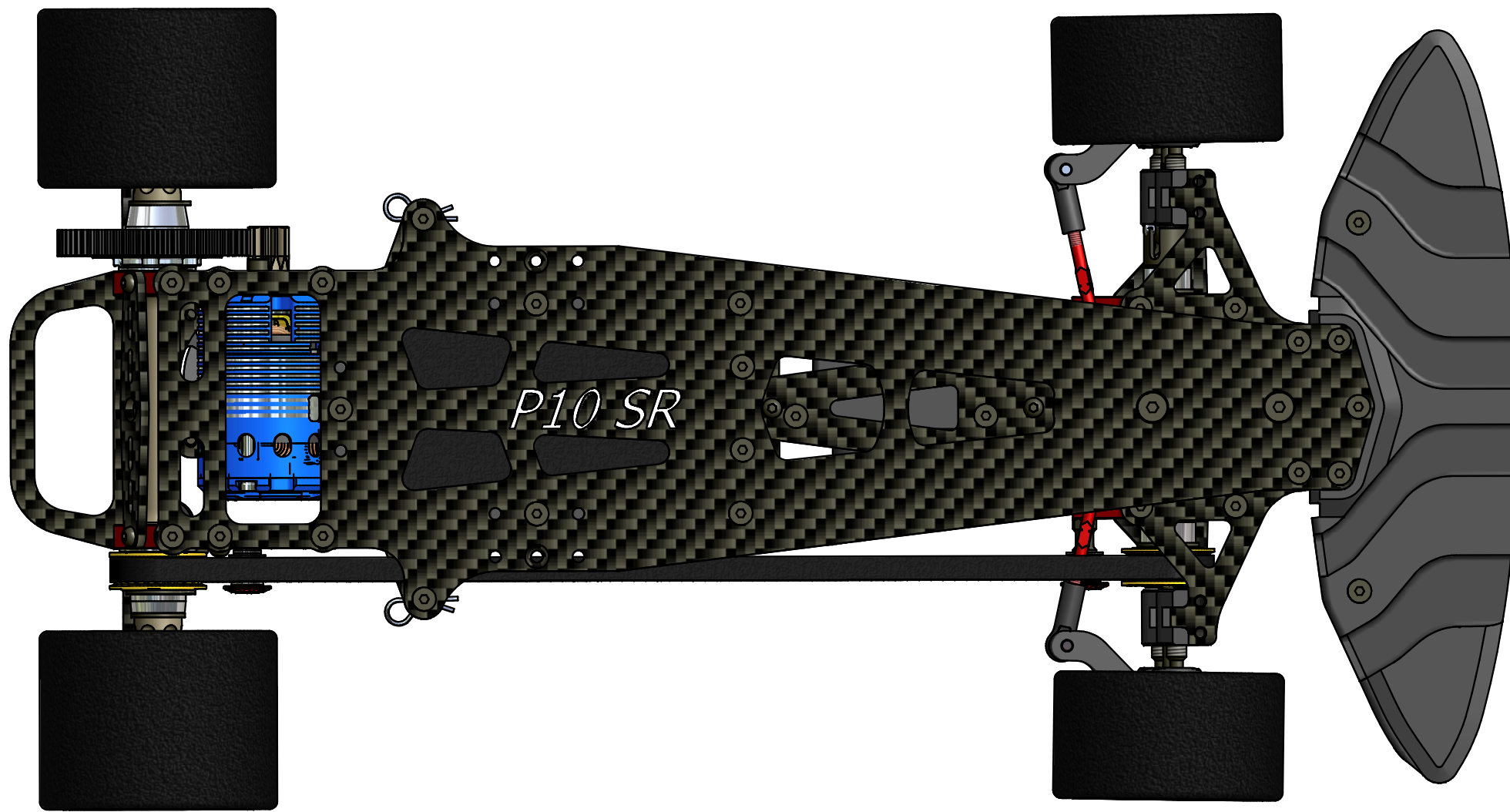


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Step 4.5

- Final Assembly View -

Capricorn RC



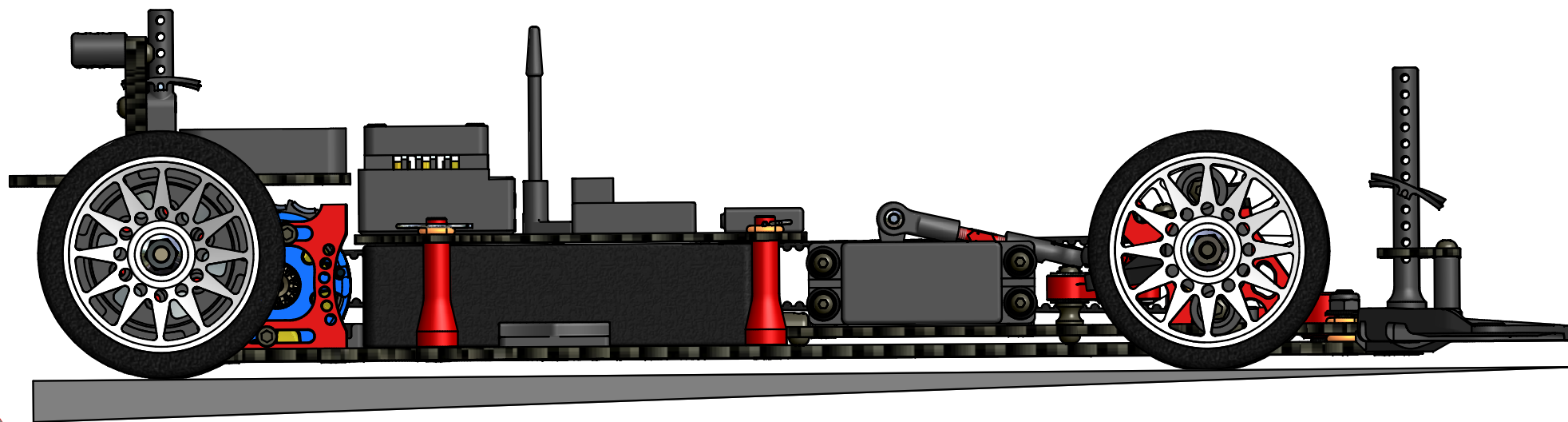
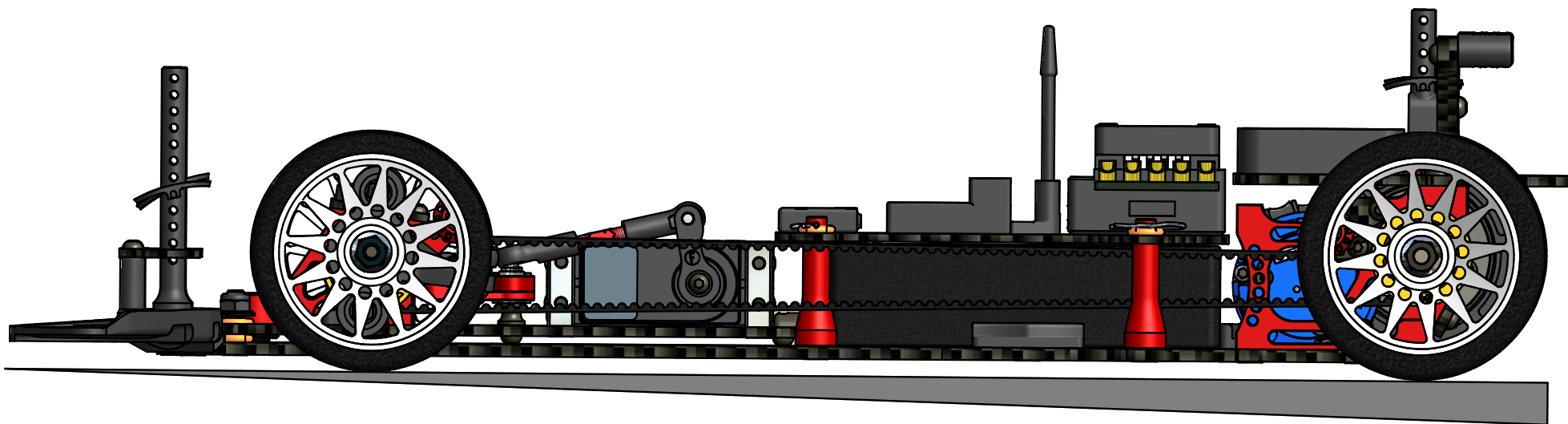
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Step 4.6

- Final Assembly View -

Capricorn RC



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P10 SR DEFAULT SET-UP SHEET *Capricorn RC*

RACE

TRACK

NAME

CITY/
COUNTRY

CONTACT

DATE

QUALIFYING
POSITION

BEST LAP /sec

RACE
POSITION

RACE
LENGTH /min

TRACK SURFACE CARPET ASPHALT

TRACK LAYOUT TECHNICAL MIXED FAST

TRACTION LOW MEDIUM HIGH

TIRE OFFSET FRONT mm REAR mm

ACK mm

CASTER ° 7° 11°

TURBO %

TURBO DELAY /sec

FRONT TIRES REAR

BRAND

SHORE

DIAMETER

TRACK WIDTH

ADDITIVE TREATED AREA

BOOST SETTING LOW MEDIUM HIGH

GEARING PINION /T SPUR GEAR DRIVE RATIO

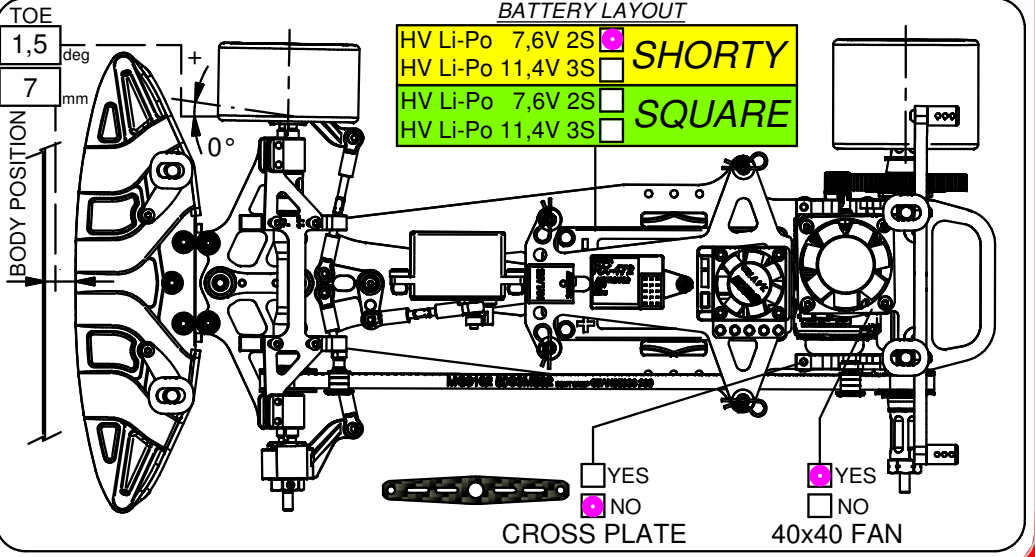
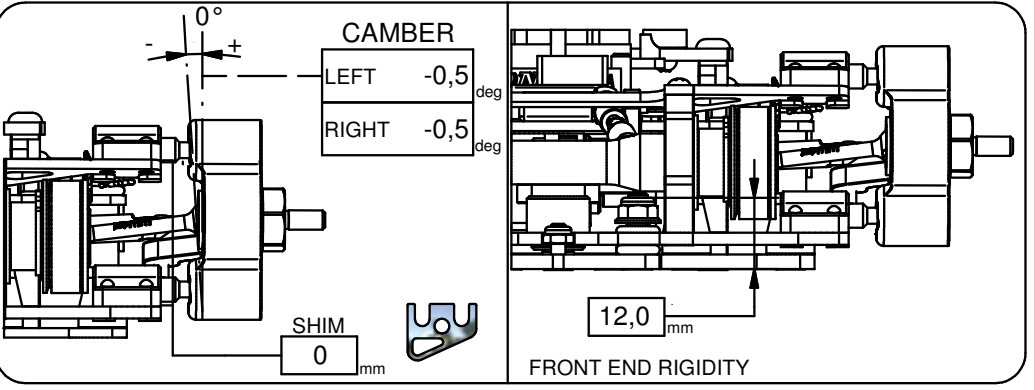
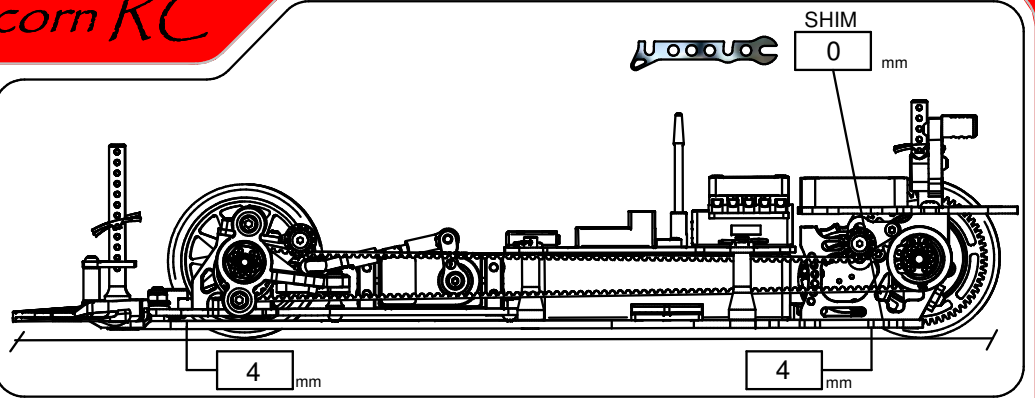
MOTOR

ESC

BATTERY

BODY

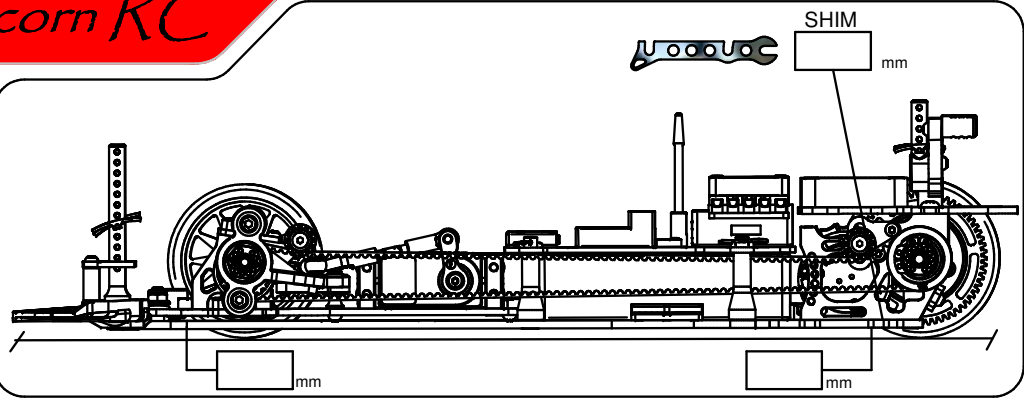
- NOTES -



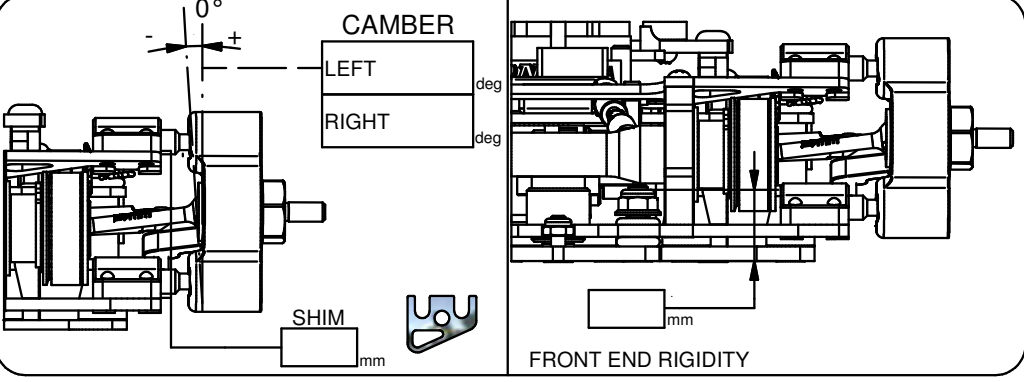
P10 SR BLANK SET-UP SHEET

Capricorn RC

RACE	<input type="text"/>	DATE	<input type="text"/>
TRACK	<input type="text"/>	QUALIFYING POSITION	<input type="text"/>
NAME	<input type="text"/>	BEST LAP	<input type="text"/> /sec
CITY/COUNTRY	<input type="text"/>	RACE POSITION	<input type="text"/>
CONTACT	<input type="text"/>	RACE LENGTH	<input type="text"/> /min



TRACK SURFACE	<input type="checkbox"/> CARPET	<input type="checkbox"/> ASPHALT	
TRACK LAYOUT	<input type="checkbox"/> TECHNICAL	<input type="checkbox"/> MIXED	<input type="checkbox"/> FAST
TRACTION	<input type="checkbox"/> LOW	<input type="checkbox"/> MEDIUM	<input type="checkbox"/> HIGH



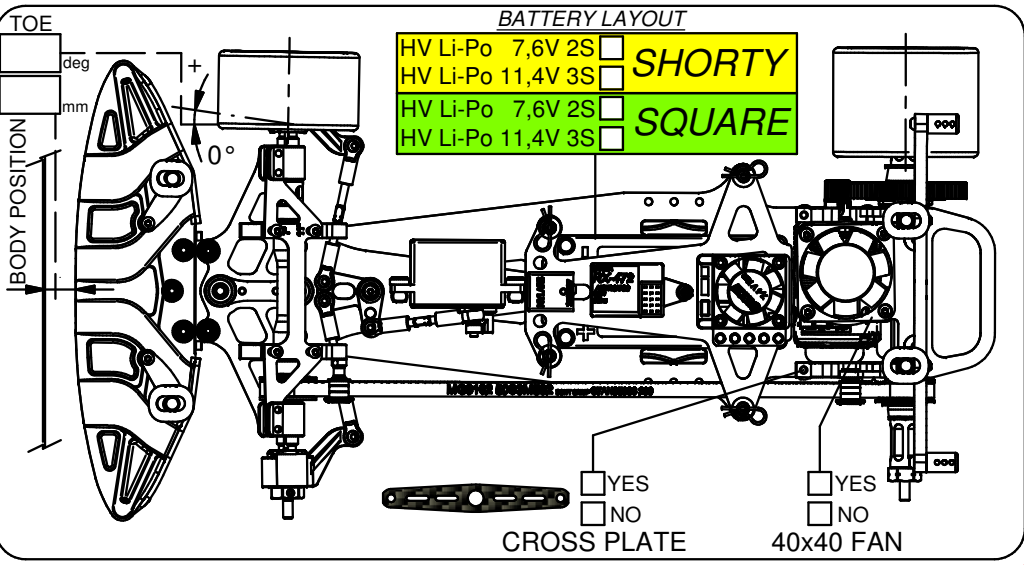
TIRE OFFSET	ACK	CASTER	TURBO	TURBO DELAY
<input type="text"/> mm	<input type="text"/> mm	<input type="text"/> mm	<input type="text"/> %	<input type="text"/> /sec
FRONT	REAR	7° 11°		

FRONT	TIRES	REAR
<input type="text"/>	BRAND	<input type="text"/>
<input type="text"/>	SHORE	<input type="text"/>
<input type="text"/>	DIAMETER	<input type="text"/>
<input type="text"/>	TRACK WIDTH	<input type="text"/>
	ADDITIVE TREATED AREA	

BOOST SETTING					
0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	LOW		MEDIUM		HIGH

GEARING		
<input type="text"/> /T	<input type="text"/> T	<input type="text"/>
PINION	SPUR GEAR	DRIVE RATIO

MOTOR	<input type="text"/>
ESC	<input type="text"/>
BATTERY	<input type="text"/>
BODY	<input type="text"/>

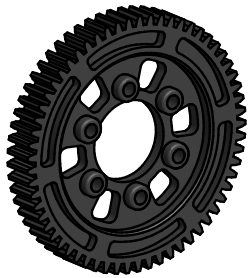


- NOTES -

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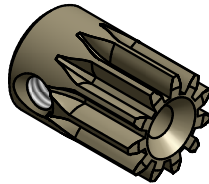
- Option Parts -

Capricorn RC

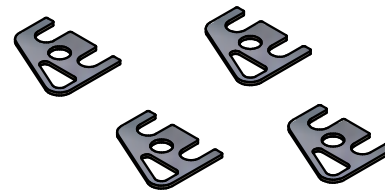


60T - 61T

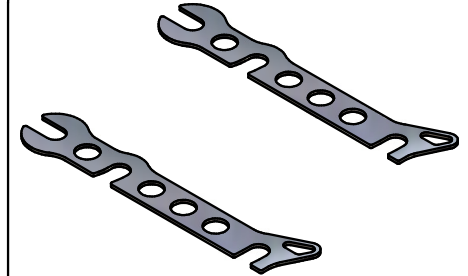
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cod. Cap35230 10T
cod. Cap35232 12T
cod. Cap35233 13T



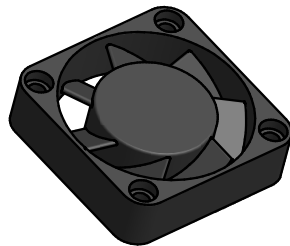
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cod. Cap35204-2

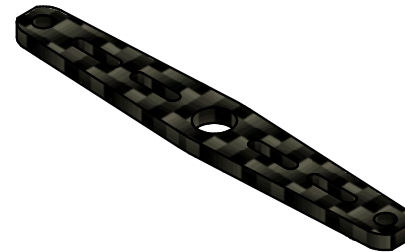


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cod. Cap20029-9,5 Ack 9,5

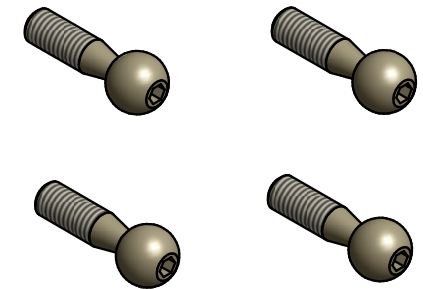


40x40 FAN

cod. One90134



cod. Cap35206



cod. Cap16004H-4

Aluminium screws



M3x6mm cod. Cap29268
M3x8mm cod. Cap29269
M3x10mm cod. Cap29270
M3x14mm cod. Cap29272



M3x5mm cod. One29276
M3x6mm cod. One29277
M3x8mm cod. One29278
M3x10mm cod. One29279



M4x8mm cod. Cap 2350
M4x10mm cod. Cap 2351
M4x12mm cod. Cap 2352
M4x14mm cod. Cap 2353



cod. Cap 2167M-F 25T
cod. Cap 2167M-K 23T

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ROLLOUT CHART

RATIO	Spur				
Pinion	60	61	62		
10	6,000	6,100	6,200		
11	5,455	5,545	5,636		
12	5,000	5,083	5,167		
13	4,615	4,692	4,769		
				Brushless Motor:	5,5 T (7000 KV)
				Battery:	2S HV Li-Po (6000mAh 120C)

Rollout mm/RPM												
Tire ø	58	58,5	59	59,5	60	60,5	61	61,5	62	62,5	63	
Pinion	Spur					60						
10	30,369	30,631	30,892	31,154	31,416	31,678	31,940	32,201	32,463	32,725	32,987	
11	33,406	33,694	33,982	34,270	34,558	34,846	35,134	35,422	35,710	35,998	36,285	
12	36,443	36,757	37,071	37,385	37,699	38,013	38,328	38,642	38,956	39,270	39,584	
13	39,479	39,820	40,160	40,500	40,841	41,181	41,521	41,862	42,202	42,543	42,883	
	Spur					61						
10	29,871	30,128	30,386	30,643	30,901	31,158	31,416	31,674	31,931	32,189	32,446	
11	32,858	33,141	33,425	33,708	33,991	34,274	34,558	34,841	35,124	35,407	35,691	
12	35,845	36,154	36,463	36,772	37,081	37,390	37,699	38,008	38,317	38,626	38,935	
13	38,832	39,167	39,502	39,837	40,171	40,506	40,841	41,176	41,510	41,845	42,180	
	Spur					62						
10	29,389	29,643	29,896	30,149	30,403	30,656	30,909	31,163	31,416	31,669	31,923	
11	32,328	32,607	32,885	33,164	33,443	33,722	34,000	34,279	34,558	34,836	35,115	
12	35,267	35,571	35,875	36,179	36,483	36,787	37,091	37,395	37,699	38,003	38,307	
13	38,206	38,535	38,865	39,194	39,523	39,853	40,182	40,511	40,841	41,170	41,500	

Zero Boost / zero Turbo Speed calculation example

Kv motor	7000	RPM			
Rollout	33,443	mm	V=	106,750	Km/h
V(km/h)= Volt batt × Kv motor × rollout × 0,00006					