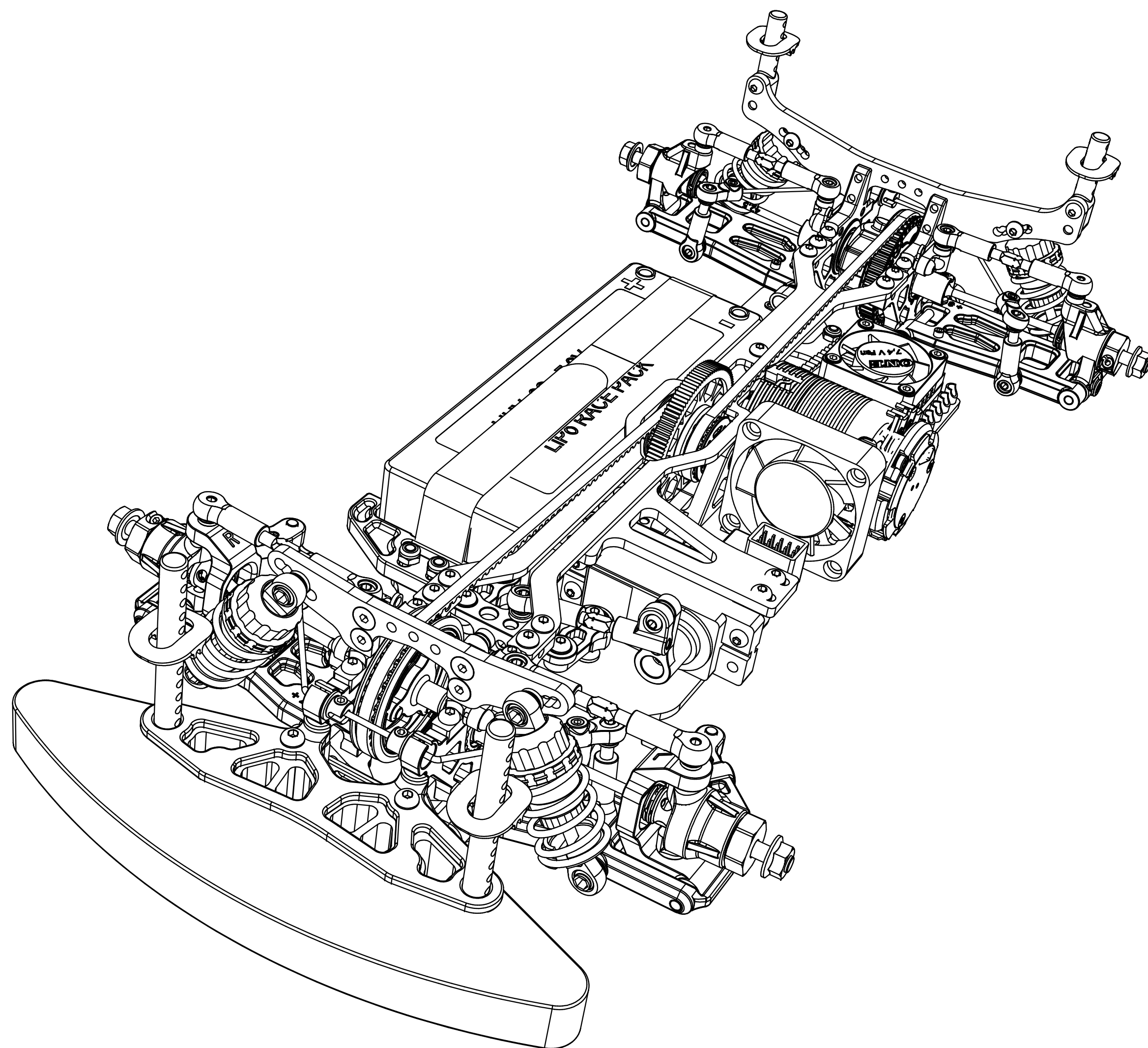




LabTE05 Instruction Manual Rel. 1.0 (10/2020)

Step 1.0 - Front transmission - *Capricorn RC*
BAG 1

ALU Option
Cap20011

Without blade slott

With blade slott

10x15x4

38T

2

3

5

7

8

3x6

4

5

10x15x4

2x9,8 Pin

6

2x9,8 Pin

6

Parts List		
Rif.	n°	Code
1	1	Cap2102A
2	1	Cap2102A
3	1	Cap22003
4	3	Cap17030
5	2	Cap23001
6	2	Cap17015
7	2	Cap18018
8	2	Cap2101D

Made in Italy

Step 1.1 - Rear Differential - *Capricorn RC*
BAG 1

38T

2

5x2

3

5x15x0,2

4

6

oil

5

2x9,8 Pin

26x1

7

5x2

3

5x15x0,2

4

6

5

2x9,8 Pin

oil

Parts List		
Rif.	n°	Code
1	1	Cap2102E
2	1	Cap22001
3	1	Cap24003
4	1	Cap23024
5	1	Cap17015
6	1	Cap21110

Parts List		
Rif.	n°	Code
1	1	Cap2102E
2	1	Cap22001
3	1	Cap24003
4	1	Cap23024
5	1	Cap17015
6	1	Cap21110
7	1	Cap24005

Made in Italy

Step 1.2 - Rear Differential - *Capricorn RC*
BAG 1

3,5x10x0,2

3

1

2

Note:
Fill differential up to the top
of the pins with silicon oil
Initial Setting # 3000cst

Parts List		
Rif.	n°	Code
1	1	Cap21110
2	4	Cap21110
3	4	Cap23023

Made in Italy

Step 1.3 - Rear Differential - *Capricorn RC*
BAG 1

3

10x15x4

2

2,5x8

1

Note:
Diff case direction
needs to match as below

10x15x4

2

3

ALU Option
Cap20011

Parts List		
Rif.	n°	Code
1	4	Cap17022
2	2	Cap18018
3	2	Cap2101D

Made in Italy

Step 2.0

V4 Short Big Bore
- Shock Damper -
BAG 2

Capricorn RC

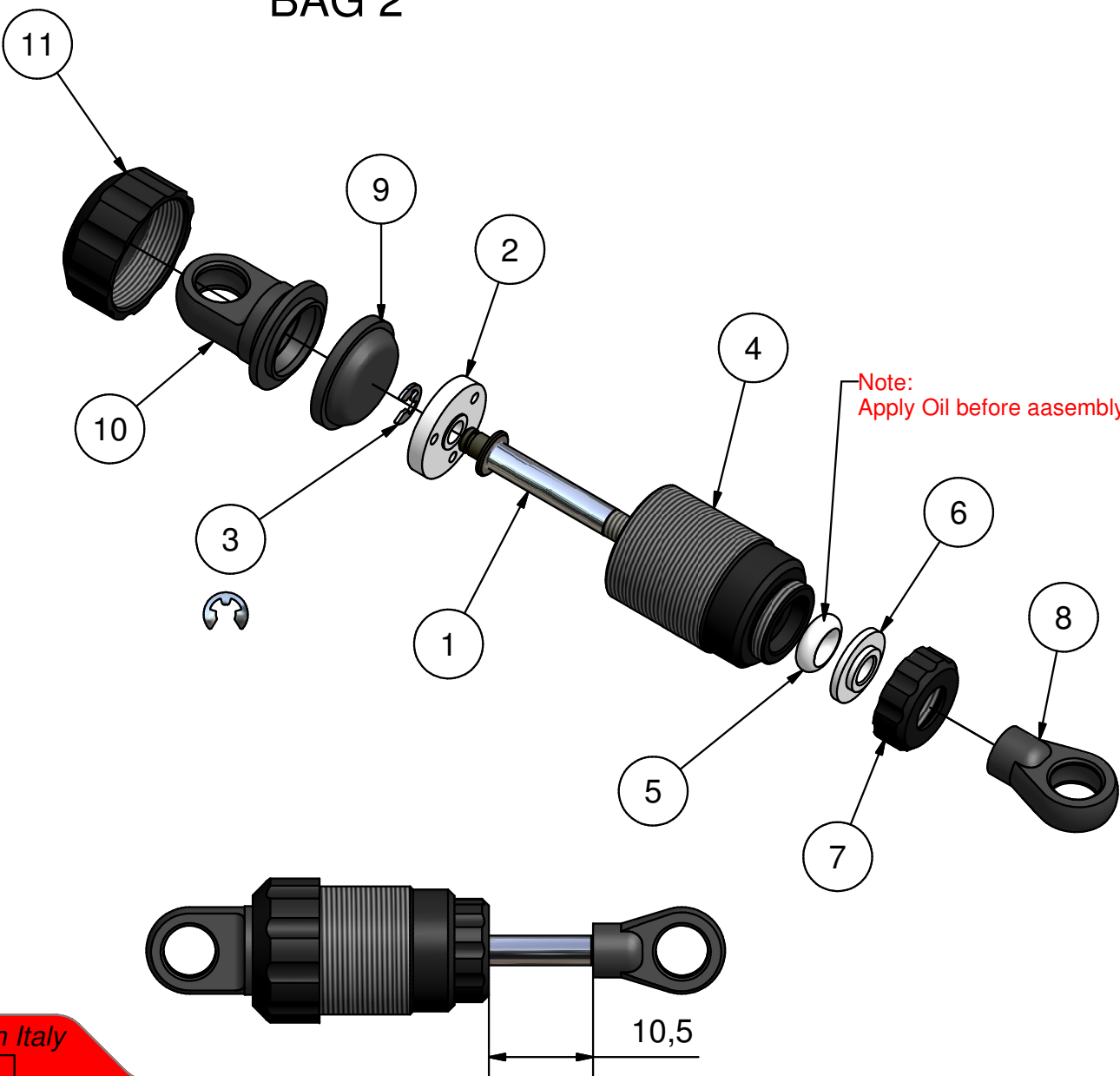
4x

Parts List		
Rif.	n°	Code
1	1	Cap18514
2	1	Cap20019
3	1	Cap18026
4	1	Cap18513
5	1	Cap29252
6	1	Cap18505
7	1	Cap18502
8	1	Cap14042KS
9	1	Cap29148-6
10	1	Cap29331
11	1	Cap16085-B

Silicon Oil #350



Note:
Apply Oil before assembly



Made in Italy

Step 2.1

V4 Short Big Bore
- Shock Damper -
BAG 2

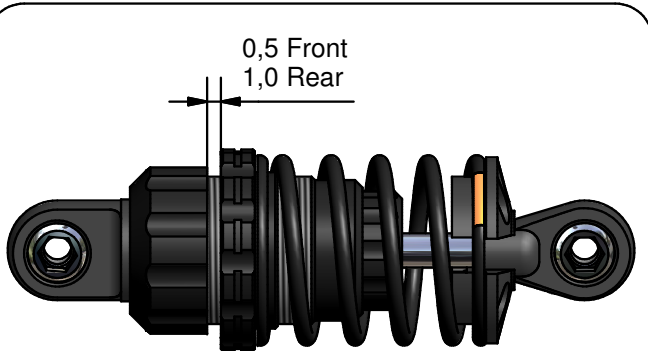
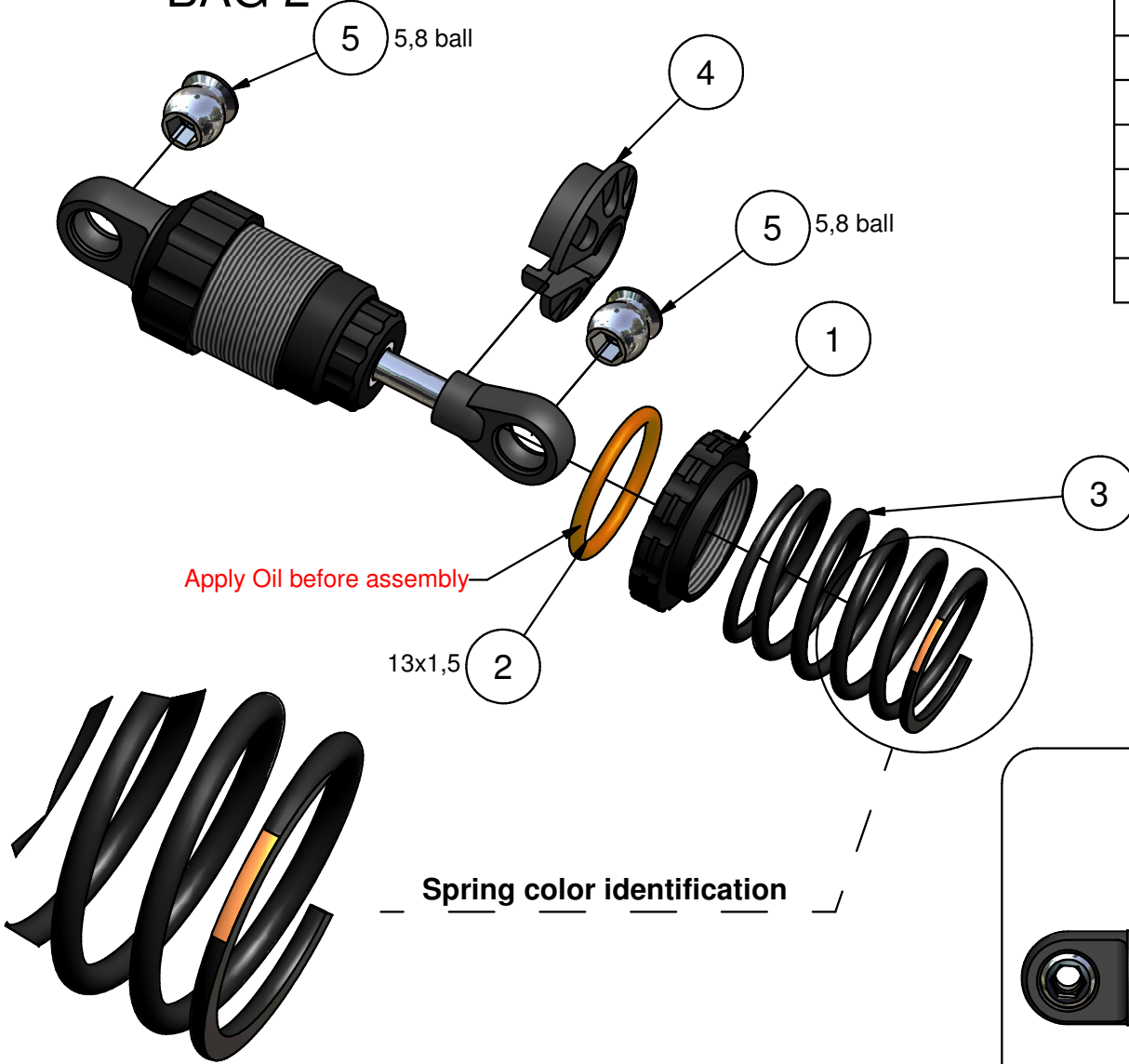
Capricorn RC

4x

Parts List		
Rif.	n°	Code
1	1	Cap20017
2	1	Cap29159
3	1	Cap18106
4	1	Cap14030
5	2	Cap18169

Spring chart:
0.22 Silver Option
0.24 Pink Option
0.25 Orange Default
0.26 Blue Option
0.27 Purple Option
0.28 Green Option
0.30 Yellow Option

Apply Oil before assembly



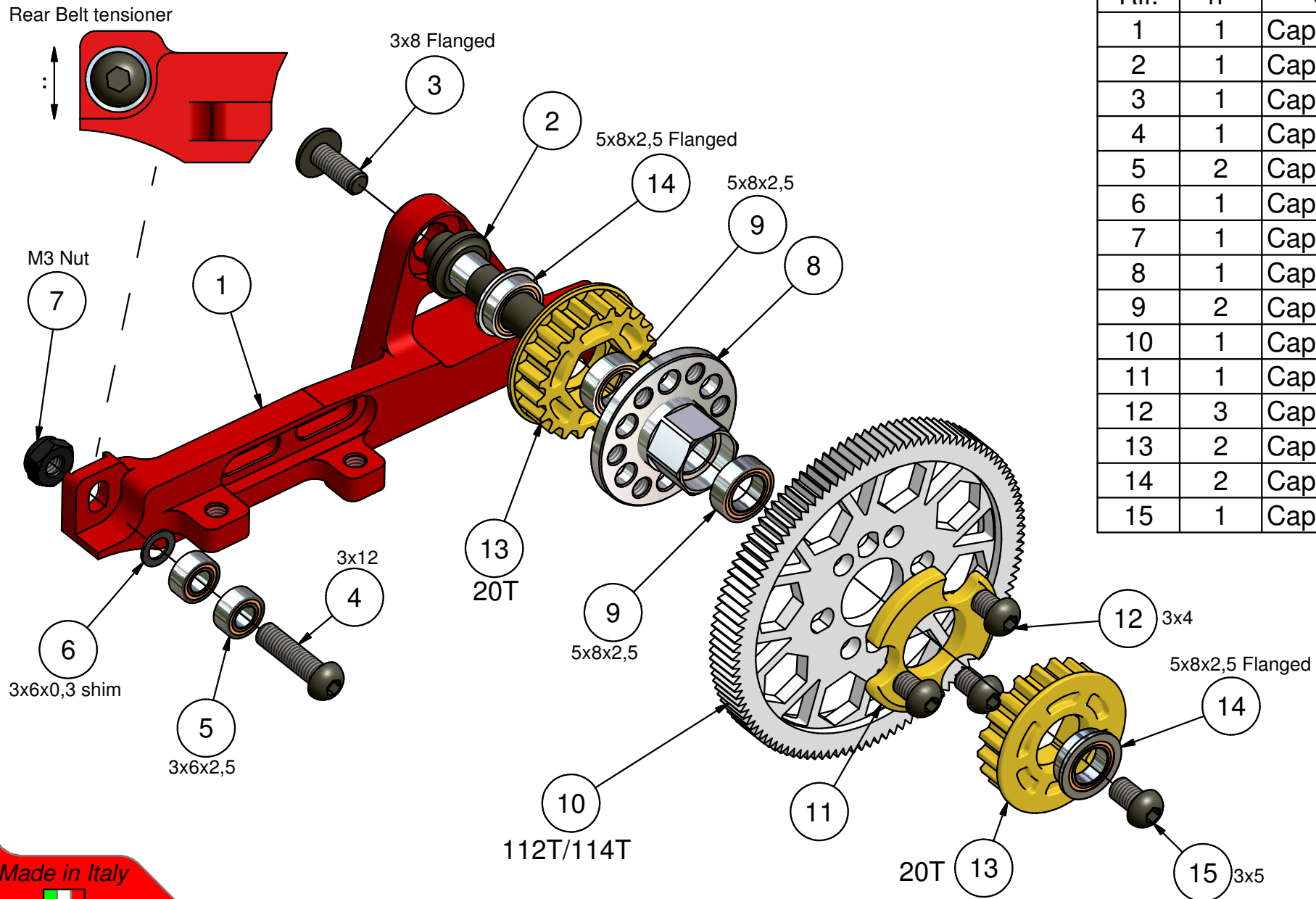
Made in Italy

Step 3.0

- Main Transmission -
BAG 3

Capricorn RC

Parts List		
Rif.	n°	Code
1	1	Cap29357
2	1	Cap29347
3	1	Cap17034
4	1	Cap17026
5	2	Cap29209
6	1	Cap22023
7	1	Cap40423
8	1	Cap29368
9	2	Cap16019
10	1	Cap29112W
11	1	Cap29369F
12	3	Cap18021
13	2	Cap29369P
14	2	Cap18082
15	1	Cap 2235



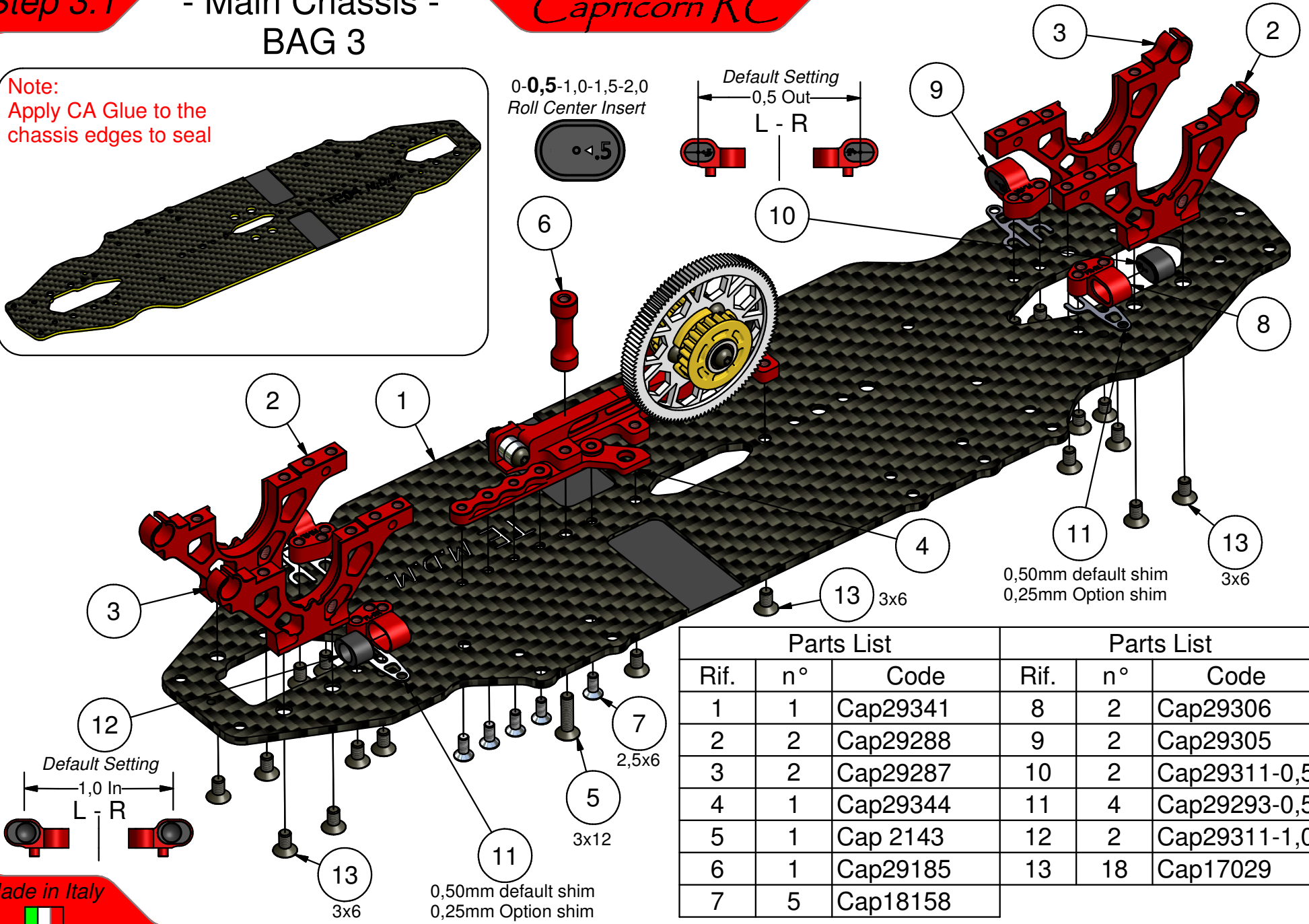
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Step 3.1

- Main Chassis -
BAG 3

Capricorn RC

Note:
Apply CA Glue to the
chassis edges to seal



Made in Italy

Step 3.2 - Transmission - *Capricorn RC*

BAG 3

Rear Initial Position Tighten Loosen

Front Initial Position Loosen Tighten

3M 351 belt

6

4

3M 351 belt

6

M3 ALU Nut

3

3x6

5

3x8

2

1

Rif.	n°	Code
1	1	Cap29353
2	3	Cap17031
3	3	Cap40423
4	2	Cap23006
5	2	Cap17029
6	2	Cap29351

Made in Italy

Step 3.3 - Front / Rear Bulkhead - *Capricorn RC*

BAG 3

L/R

3x8

1

2

3

5

6

3x6

3x8

7

8

3x8

4

2

3x8

5

3x6

6

3x8

Rif.	n°	Code
1	4	Cap29236
2	16	Cap17032
3	1	Cap29336
4	1	Cap29337
5	4	Cap17029
6	4	Cap17031
7	4	Cap29238
8	4	Cap29237

Made in Italy

Step 3.4 - Steering System - *Capricorn RC*

BAG 3

Ackerman Plate

Default 8,0 8,5 11,0

3x6

4

4,9 ball

9

3x6x0,5 shim

3

5x8x2,5

2

1

6

5

7

3x6x2 shim

8

3x6x1 shim

4

3x6

9

4,9 ball

Rif.	n°	Code
1	2	Cap20014
2	4	Cap16019
3	2	Cap22020
4	4	Cap17030
5	1	Cap29230
6	1	Cap20029-8,5
7	2	Cap22015
8	1	Cap22021
9	3	Cap22100-N

Made in Italy

Step 3.5 - Steering System - *Capricorn RC*

BAG 3

2x

3x35

2

1

24,5

3x6

7

3x6

3

1

8

4

6

3x10

5

9

6

3x10

10

12

7

3x6

11

13

3x20

7

LP Servo NOT INCLUDED

OPT Metal Horn Code Cap30112

Rif.	n°	Code
1	1	Cap29291
2	1	Cap29319
3	2	Cap17029
4	1	Servo
5	1	Cap29188
6	3	Cap17023
7	3	Cap17030
8	1	Cap29312
9	1	Cap21060P
10	1	Cap22100-N
11	1	Cap2107A
12	1	Cap2107D
13	1	Cap23030

10°:15°

Made in Italy

Step 3.6

- Steering Rack -

BAG 3

Capricorn RC

1 3x6

Parts List		
Rif.	n°	Code
1	4	Cap17029

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Step 4.0

- Front / Rear Arm -

BAG 4

Capricorn RC

2x - R/L

Front

Rear

Parts List			Parts List		
Rif.	n°	Code	Rif.	n°	Code
1	1	Cap29243	6	1	Cap2107C
2	1	Cap17008	7	1	Cap17006
3	1	Cap18022	8	1	Cap23040
4	1	Cap2107A	9	2	Cap22024
5	1	Cap22102-N	10	2	Cap23008

Parts List			Parts List		
Rif.	n°	Code	Rif.	n°	Code
1	1	Cap29244	7	1	Cap2107C
2	1	Cap17008	8	1	Cap17006
3	1	Cap18022	9	1	Cap23040
4	1	Cap22100-N	10	2	Cap22024
5	1	Cap2107A	11	2	Cap23008
6	1	Cap22102-N			

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Step 4.1

- Front Arm & Anti Roll Bar -

BAG 4

Capricorn RC

3x6x2,5 Flanged

Ø1,4 Front Wire bar

3x3

1 3x6

Parts List		
Rif.	n°	Code
1	1	Cap27012
2	2	Cap20006-V2
3	2	Cap17006
4	2	Cap 2013

Parts List		
Rif.	n°	Code
5	2	Cap29311-0,5
6	1	Cap29304
7	1	Cap29292-0,5
8	2	Cap17029

0-0,5-1,0-1,5-2,0 Roll Center Insert

Default Setting 0,5 Out

0,50mm default shim

0,25mm Option shim

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Step 4.2

- Rear Arm & Anti Roll Bar -

BAG 4

Capricorn RC

3x6x2,5 Flanged

Ø1,2mm Rear Wire bar

3x3

1 3x6

Parts List		
Rif.	n°	Code
1	1	Cap27013
2	2	Cap20006-V2
3	2	Cap17006
4	2	Cap 2013

Parts List		
Rif.	n°	Code
5	2	Cap29311-1,0
6	1	Cap29304
7	1	Cap29292-0,5
8	2	Cap17029

Default Setting 1,0 In

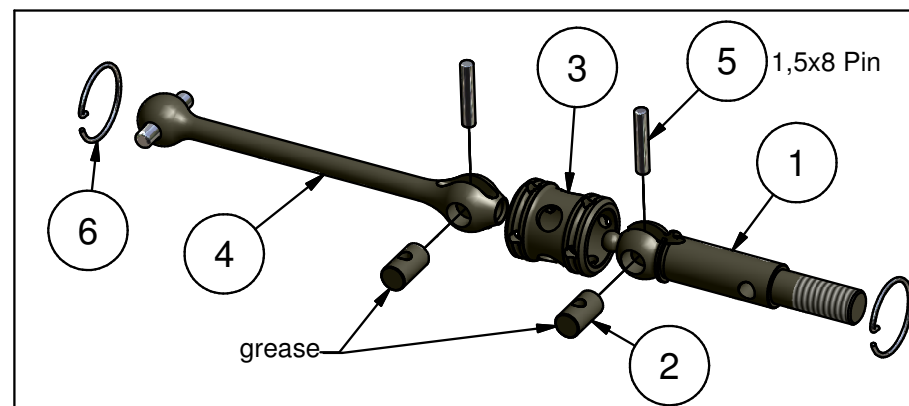
0-0,5-1,0-1,5-2,0 Roll Center Insert

0,50mm default shim

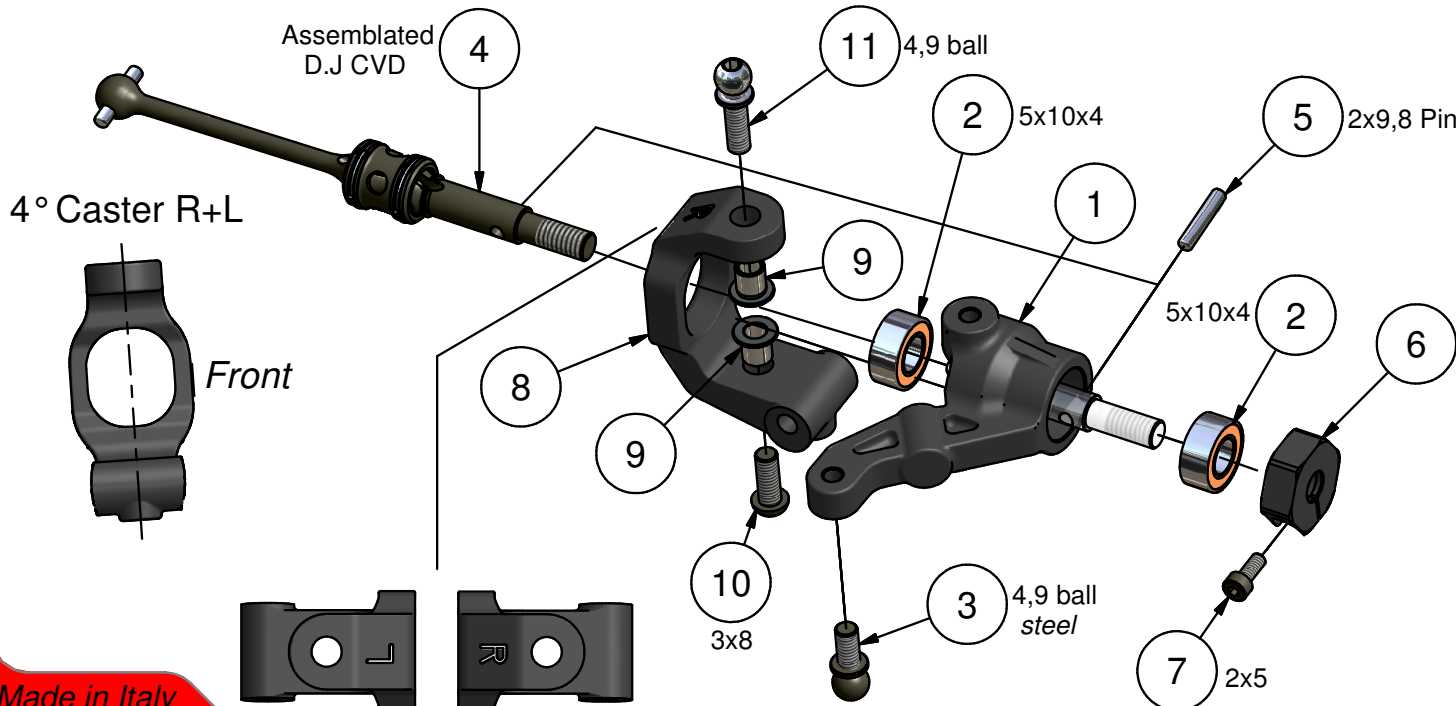
0,25mm Option shim

Made in Italy

Step 5.0 - Front D.J CVD Block - *Capricorn RC*
BAG 5



Parts List		
Rif.	n°	Code
1	1	Cap23101
2	2	Cap23103
3	1	Cap23104
4	1	Cap23102
5	2	Cap26105
6	2	Cap27001



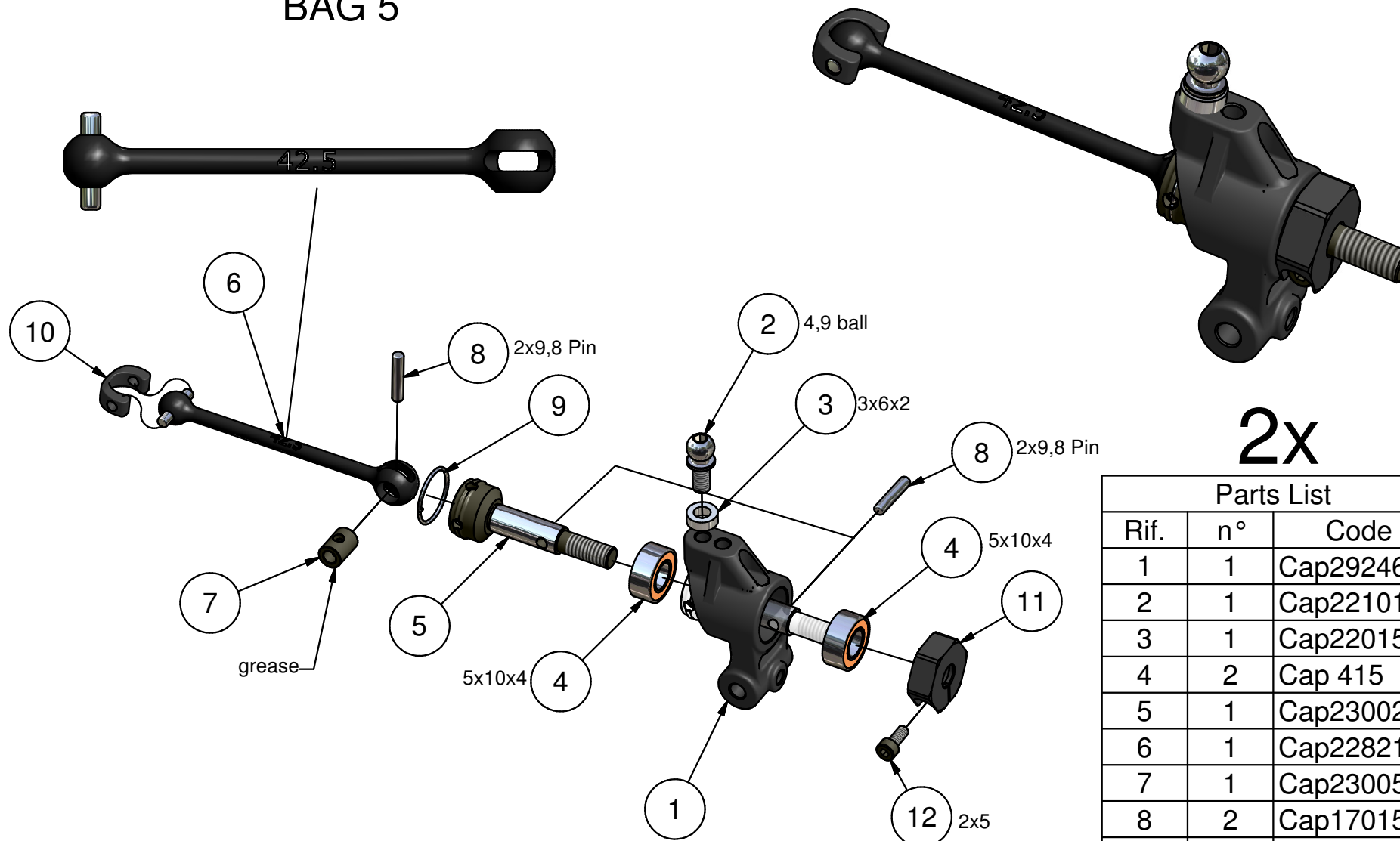
Parts List		
Rif.	n°	Code
1	1	Cap29245
2	2	Cap 415
3	1	Cap23017
4	1	Cap29009F
5	1	Cap17015
6	1	Cap22005
7	1	Cap18023
8	1	Cap29250
9	2	Cap23007
10	1	Cap17032
11	1	Cap22102-N

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Right block view

2x - R/L

Step 5.1 - Rear CVD Block- *Capricorn RC*
BAG 5

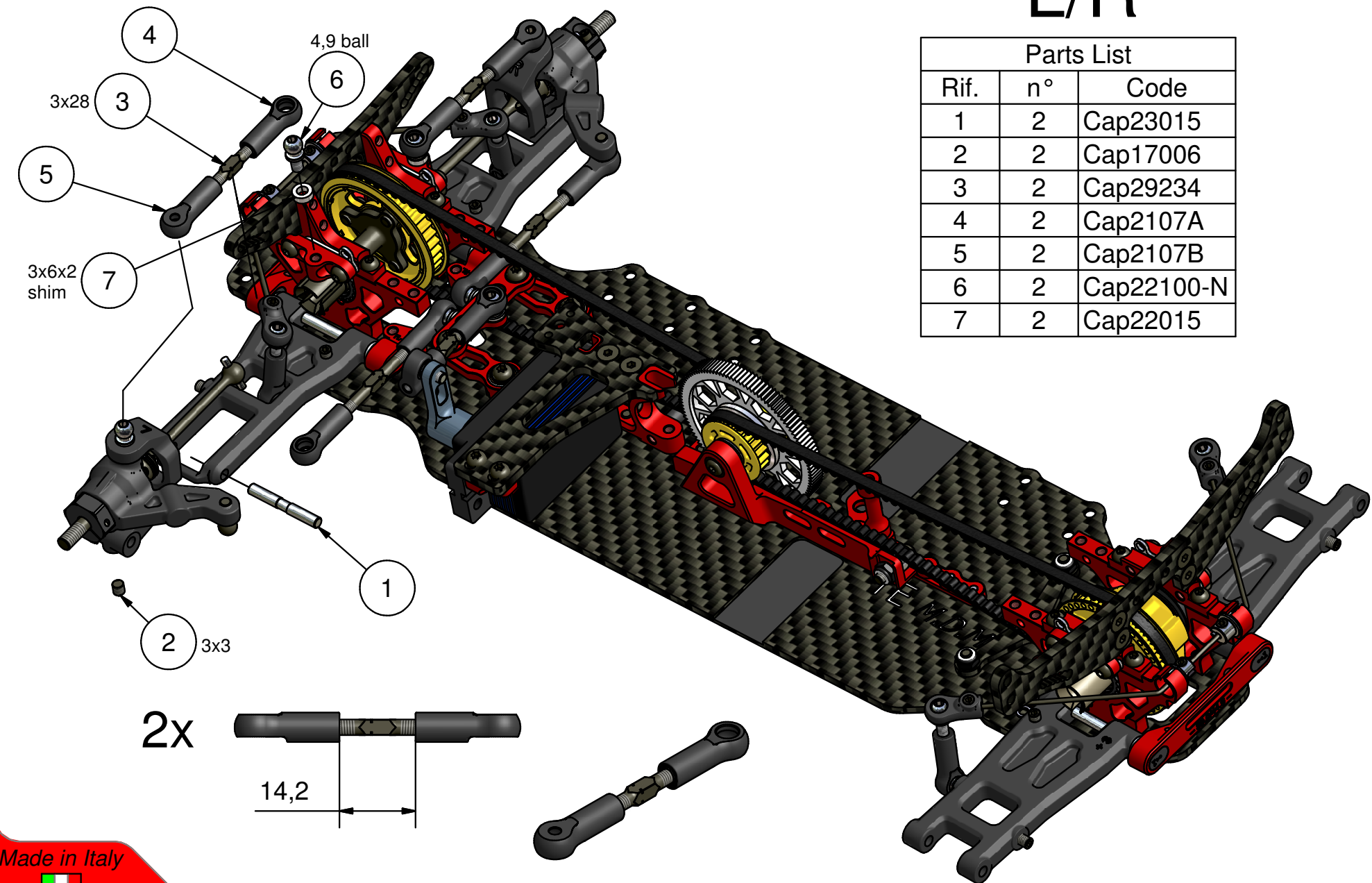


Parts List		
Rif.	n°	Code
1	1	Cap29246
2	1	Cap22101-N
3	1	Cap22015
4	2	Cap 415
5	1	Cap23002
6	1	Cap22821
7	1	Cap23005
8	2	Cap17015
9	1	Cap27001
10	1	Cap21030
11	1	Cap22005
12	1	Cap18023

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2x

Step 5.2 - Front Suspension - *Capricorn RC*
BAG 5

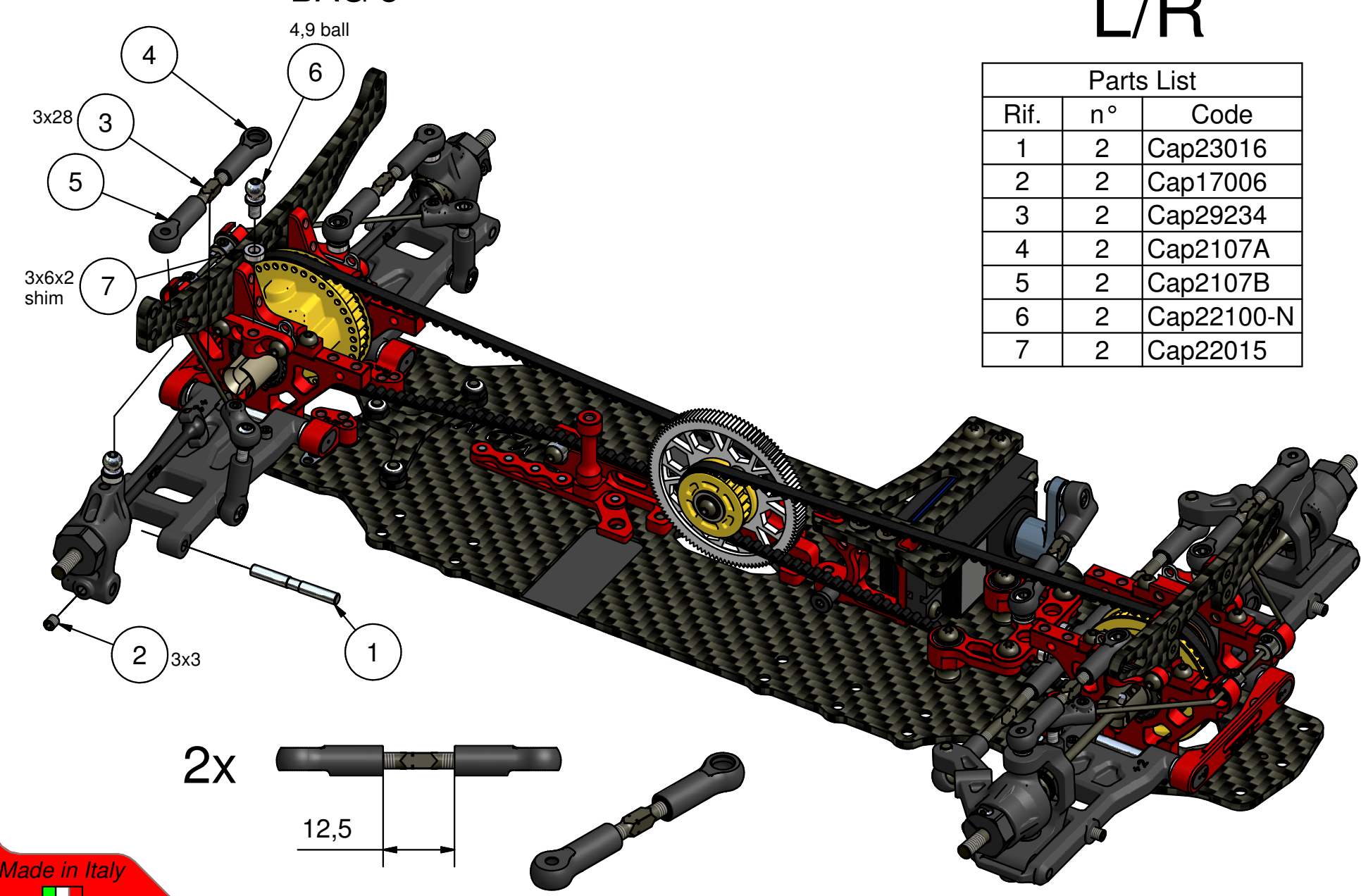


Parts List		
Rif.	n°	Code
1	2	Cap23015
2	2	Cap17006
3	2	Cap29234
4	2	Cap2107A
5	2	Cap2107B
6	2	Cap22100-N
7	2	Cap22015

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L/R

Step 5.3 - Rear Suspension - *Capricorn RC*
BAG 5



Parts List		
Rif.	n°	Code
1	2	Cap23016
2	2	Cap17006
3	2	Cap29234
4	2	Cap2107A
5	2	Cap2107B
6	2	Cap22100-N
7	2	Cap22015

Made in Italy

L/R

Step 6.0 - Upper Deck -
- Battery Holder -
BAG 6

Capricorn RC

3x6
2

1

6 M3 Nut

5

4 3x6x1 shim

3 3x12

Rif.	n°	Code
1	1	Cap29356-2,0
2	9	Cap17030
3	4	Cap 2143
4	4	Cap22021
5	2	Cap28006-P
6	4	Cap17040

Made in Italy

Step 6.1 - Bumper -
- Front Shock -
BAG 6

Capricorn RC

3x6
6

2

8

2x11,8 Pin
7

3x6
6

5

11 3x6x1 shim

3x10
9

3x6
10

4

3x8
3

1

Super Short OPTION
code Cap29371

Default shock position

Rif.	n°	Code
1	1	Cap29180
2	2	Cap15011
3	2	Cap17031
4	1	Cap29182
5	1	Cap29181
6	4	Cap17030
7	2	Cap17016
8	2	Cap15013
9	2	Cap17027
10	1	Cap17029
11	2	Cap22021

Made in Italy

Step 6.2 - Body Holder -
- Rear Shock -
BAG 6

Capricorn RC

3x8
3

5

2x11,8 Pin
4

2

3x6
1

Rif.	n°	Code
1	2	Cap17030
2	2	Cap15012
3	2	Cap17032
4	2	Cap17016
5	2	Cap15013

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Step 6.3 - Electronics -
BAG 6

Capricorn RC

2S HVLi-Po Battery
NOT INCLUDED

6

Fiber Tape
NOT INCLUDED

5

Pinion
NOT INCLUDED

3

3x8
4

8 Transponder
NOT INCLUDED

1

9 Receiver
NOT INCLUDED

10 40x40 FAN
NOT INCLUDED

2 Brushless Motor
NOT INCLUDED

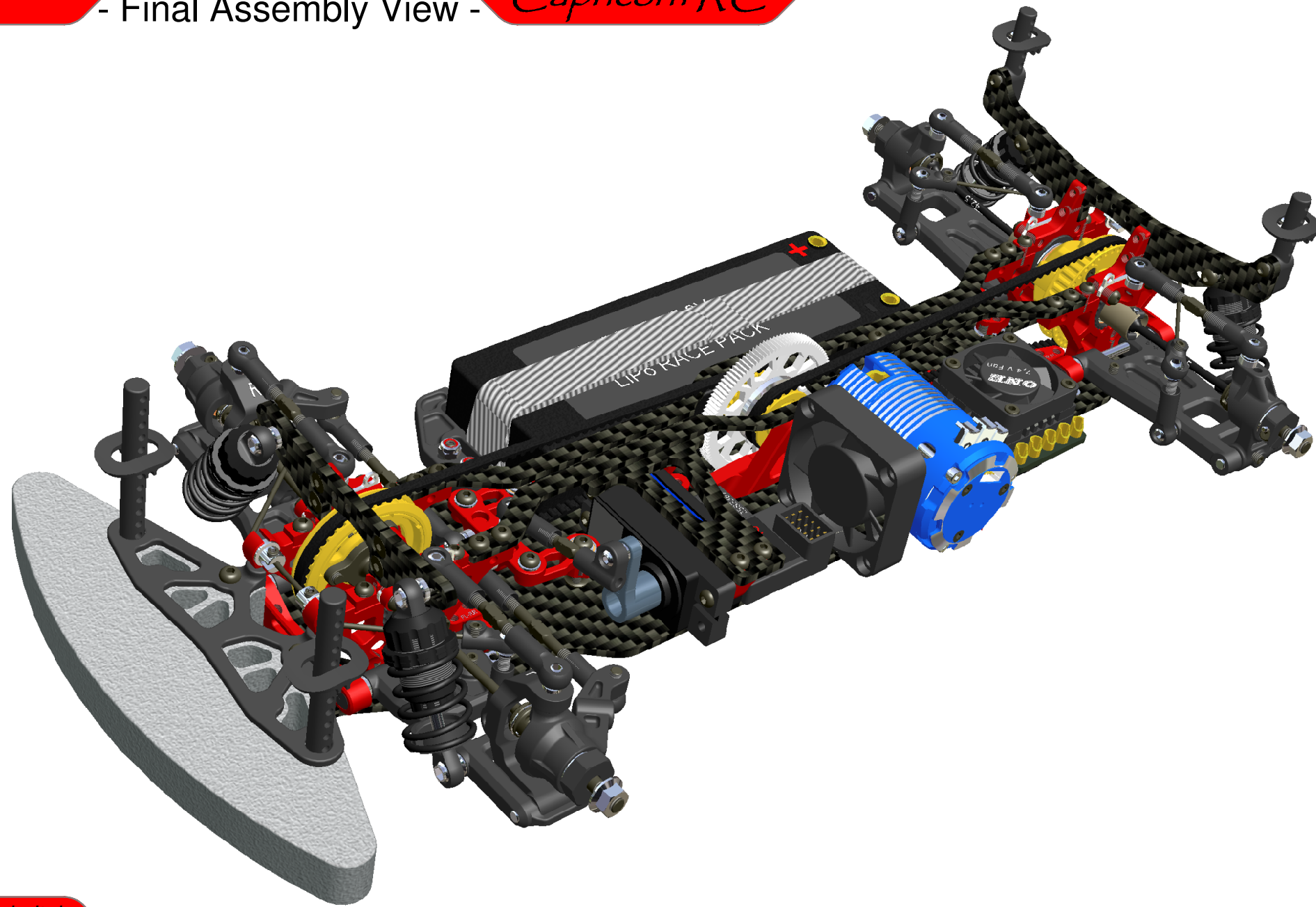
11 ESC
NOT INCLUDED

7 Double-sided Tape
NOT INCLUDED

Rif.	n°	Code
1	4	Cap 854
4	2	Cap40229

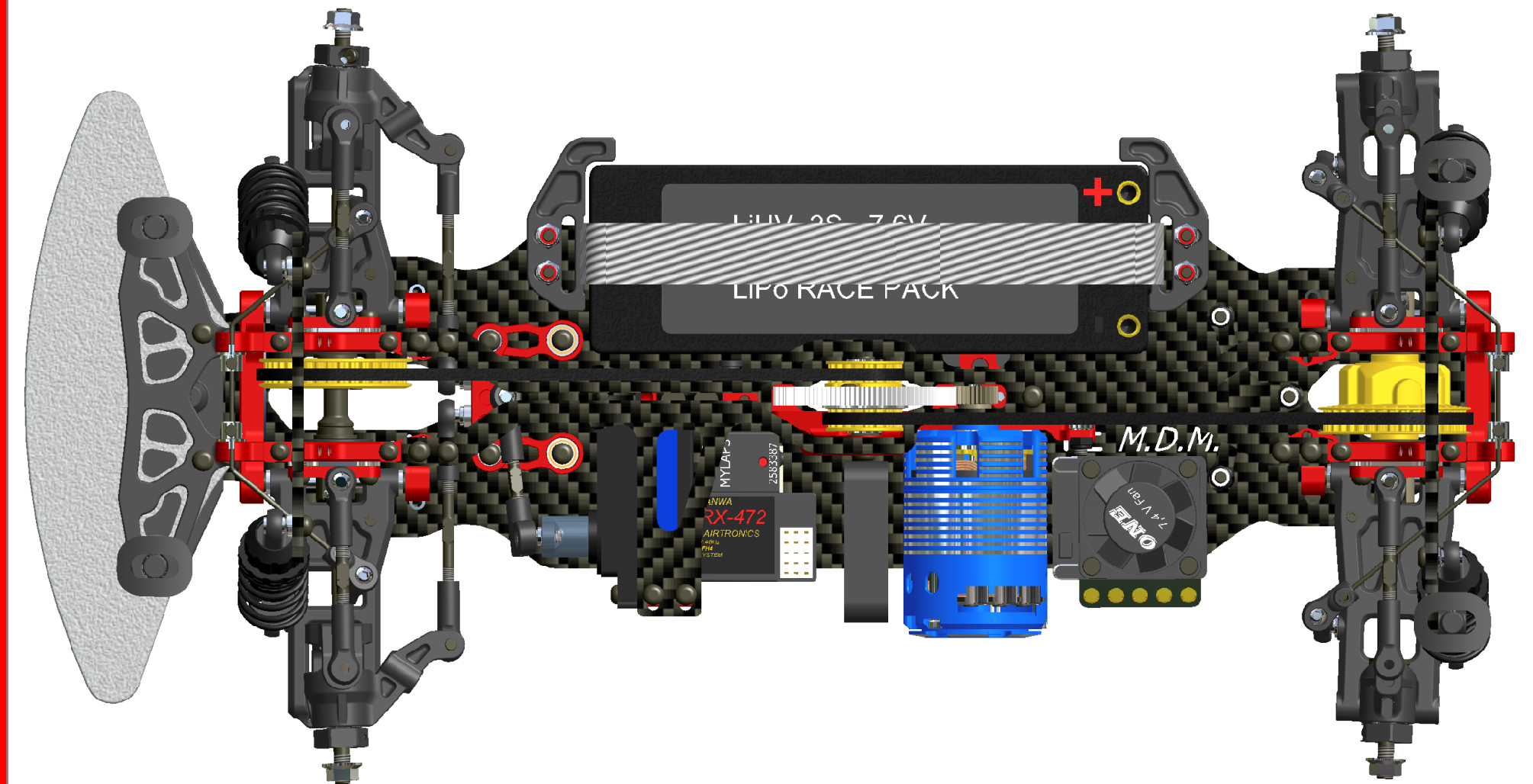
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- Final Assembly View - *Capricorn RC*



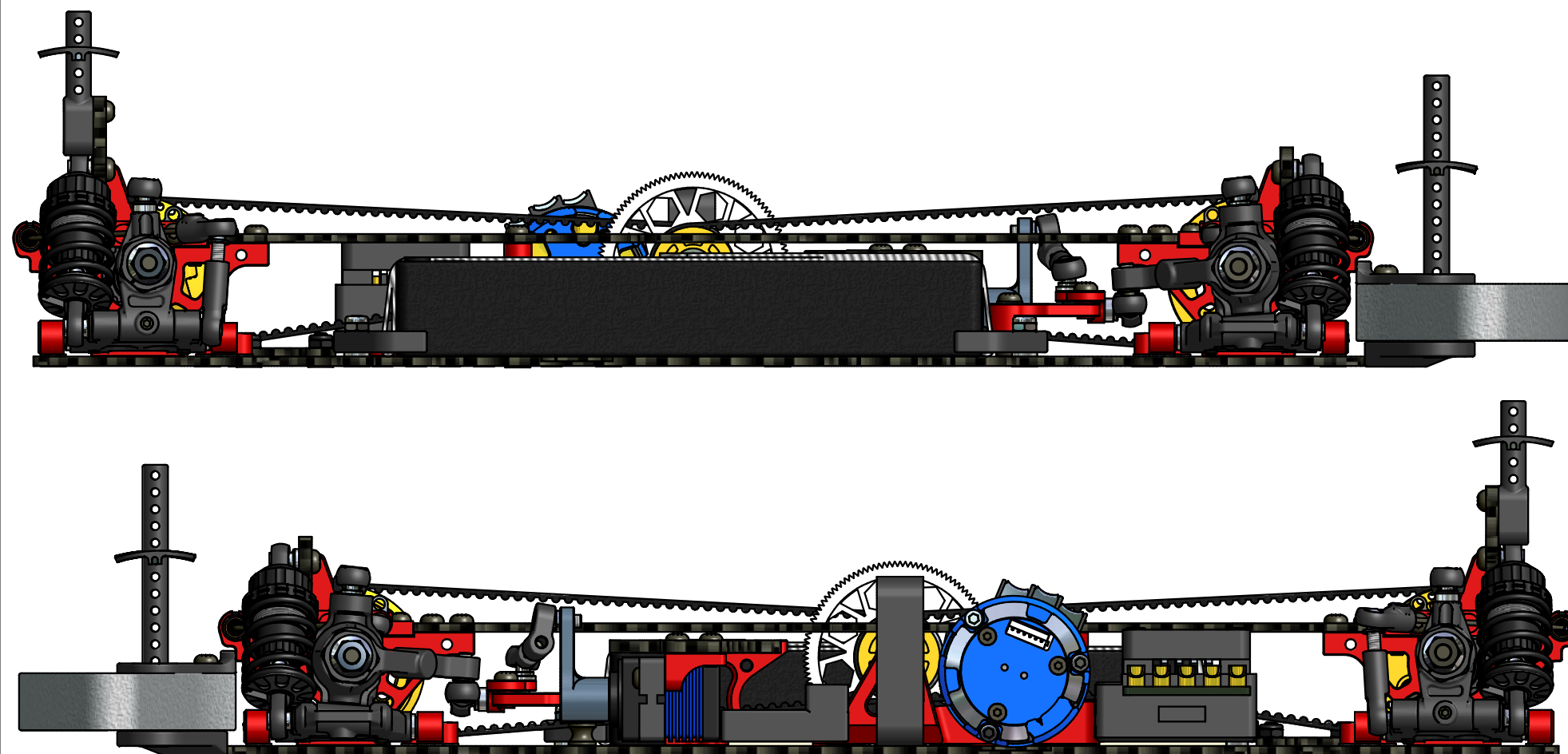
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- Final Assembly View - *Capricorn RC*



Made in Italy

- Final Assembly View - *Capricorn RC*



Made in Italy

- Gear RATIO - *Capricorn RC*

RATIO	SPUR GEAR																					
	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	
23	7,765	7,848	7,930	8,013	8,096	8,178	8,261	8,343	8,426	8,509	8,591	8,674	8,757	8,839	8,922	9,004	9,087	9,170	9,252	9,335	9,417	
24	7,442	7,521	7,600	7,679	7,758	7,838	7,917	7,996	8,075	8,154	8,233	8,313	8,392	8,471	8,550	8,629	8,708	8,788	8,867	8,946	9,025	
25	7,144	7,220	7,296	7,372	7,448	7,524	7,600	7,676	7,752	7,828	7,904	7,980	8,056	8,132	8,208	8,284	8,360	8,436	8,512	8,588	8,664	
26	6,869	6,942	7,015	7,088	7,162	7,235	7,308	7,381	7,454	7,527	7,600	7,673	7,746	7,819	7,892	7,965	8,038	8,112	8,185	8,258	8,331	
27	6,615	6,685	6,756	6,826	6,896	6,967	7,037	7,107	7,178	7,248	7,319	7,389	7,459	7,530	7,600	7,670	7,741	7,811	7,881	7,952	8,022	
28	6,379	6,446	6,514	6,582	6,650	6,718	6,786	6,854	6,921	6,989	7,057	7,125	7,193	7,261	7,329	7,396	7,464	7,532	7,600	7,668	7,736	
29	6,159	6,224	6,290	6,355	6,421	6,486	6,552	6,617	6,683	6,748	6,814	6,879	6,945	7,010	7,076	7,141	7,207	7,272	7,338	7,403	7,469	
30	5,953	6,017	6,080	6,143	6,207	6,270	6,333	6,397	6,460	6,523	6,587	6,650	6,713	6,777	6,840	6,903	6,967	7,030	7,093	7,157	7,220	
31	5,761	5,823	5,884	5,945	6,006	6,068	6,129	6,190	6,252	6,313	6,374	6,435	6,497	6,558	6,619	6,681	6,742	6,803	6,865	6,926	6,987	
32	5,581	5,641	5,700	5,759	5,819	5,878	5,938	5,997	6,056	6,116	6,175	6,234	6,294	6,353	6,413	6,472	6,531	6,591	6,650	6,709	6,769	
33	5,412	5,470	5,527	5,585	5,642	5,700	5,758	5,815	5,873	5,930	5,988	6,045	6,103	6,161	6,218	6,276	6,333	6,391	6,448	6,506	6,564	
34	5,253	5,309	5,365	5,421	5,476	5,532	5,588	5,644	5,700	5,756	5,812	5,868	5,924	5,979	6,035	6,091	6,147	6,203	6,259	6,315	6,371	
35	5,103	5,157	5,211	5,266	5,320	5,374	5,429	5,483	5,537	5,591	5,646	5,700	5,754	5,809	5,863	5,917	5,971	6,026	6,080	6,134	6,189	
36	4,961	5,014	5,067	5,119	5,172	5,225	5,278	5,331	5,383	5,436	5,489	5,542	5,594	5,647	5,700	5,753	5,806	5,858	5,911	5,964	6,017	
37	4,827	4,878	4,930	4,981	5,032	5,084	5,135	5,186	5,238	5,289	5,341	5,392	5,443	5,495	5,546	5,597	5,649	5,700	5,751	5,803	5,854	
38	4,700	4,750	4,800	4,850	4,900	4,950	5,000	5,050	5,100	5,150	5,200	5,250	5,300	5,350	5,400	5,450	5,500	5,550	5,600	5,650	5,700	
39	4,579	4,628	4,677	4,726	4,774	4,823	4,872	4,921	4,969	5,018	5,067	5,115	5,164	5,213	5,262	5,310	5,359	5,408	5,456	5,505	5,554	
40	4,465	4,513	4,560	4,608	4,655	4,703	4,750	4,798	4,845	4,893	4,940	4,988	5,035	5,083	5,130	5,178	5,225	5,273	5,320	5,368	5,415	
41	4,356	4,402	4,449	4,495	4,541	4,588	4,634	4,680	4,727	4,773	4,820	4,866	4,912	4,959	5,005	5,051	5,098	5,144	5,190	5,237	5,283	
42	4,252	4,298	4,343	4,388	4,433	4,479	4,524	4,569	4,614	4,660	4,705	4,750	4,795	4,840	4,886	4,931	4,976	5,021	5,067	5,112	5,157	
43	4,153	4,198	4,242	4,286	4,330	4,374	4,419	4,463	4,507	4,551	4,595	4,640	4,684	4,728	4,772	4,816	4,860	4,905	4,949	4,993	5,037	
44	4,059	4,102	4,145	4,189	4,232	4,275	4,318	4,361	4,405	4,448	4,491	4,534	4,577	4,620	4,664	4,707	4,750	4,793	4,836	4,880	4,923	
45	3,969	4,011	4,053	4,096	4,138	4,180	4,222	4,264	4,307	4,349	4,391	4,433	4,476	4,518	4,560	4,602	4,644	4,687	4,729	4,771	4,813	
46	3,883	3,924	3,965	4,007	4,048	4,089	4,130	4,172	4,213	4,254	4,296	4,337	4,378	4,420	4,461	4,502	4,543	4,585	4,626	4,667	4,709	
47	3,800	3,840	3,881	3,921	3,962	4,002	4,043	4,083	4,123	4,164	4,204	4,245	4,285	4,326	4,366	4,406	4,447	4,487	4,528	4,568	4,609	
48	3,721	3,760	3,800	3,840	3,879	3,919	3,958	3,998	4,038	4,077	4,117	4,156	4,196	4,235	4,275	4,315	4,354	4,394	4,433	4,473	4,513	
49	3,645	3,684	3,722	3,761	3,800	3,839	3,878	3,916	3,955	3,994	4,033	4,071	4,110	4,149	4,188	4,227	4,265	4,304	4,343	4,382	4,420	
50	3,572	3,610	3,648	3,686	3,724	3,762	3,800	3,838	3,876	3,914	3,952	3,990	4,028	4,066	4,104	4,142	4,180	4,218	4,256	4,294	4,332	
PINION																						

Made in Italy

- Default Set-Up Sheet -

Capricorn RC

Yes ☐ No ☐ Front Rear

Race
Track
Name
City / Country
Date

Air Temp. Track Temp.
Qualifying Best LAP Final Position Race Length
sec min

TRACK CONDITION ☐ Carpet ☐ Asphalt
☐ Technical ☐ Mixed ☐ Fast
TRACTION ☐ Low ☐ Medium ☐ High

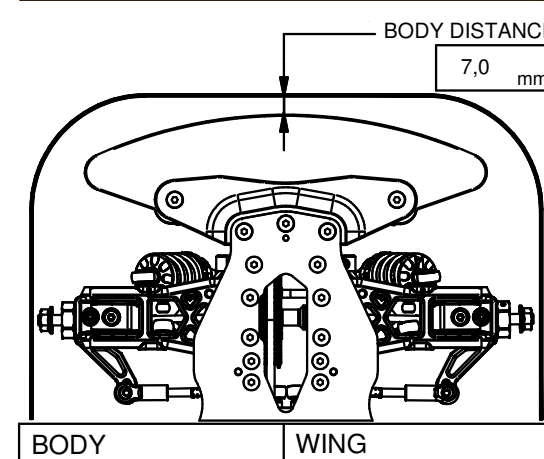
FRONT REAR
GEAR DIFF. ☐ CST ☐ 3.000 CST
☐ SPOOL ☐ HIGH ☐ LOW ☐ HIGH ☐ LOW
GEAR NUMBER ☐ 2 ☐ 4 ☐ 2 ☐ 4

PINION SPUR GEAR 112
INT. RATIO 1,9 DRIVE RATIO

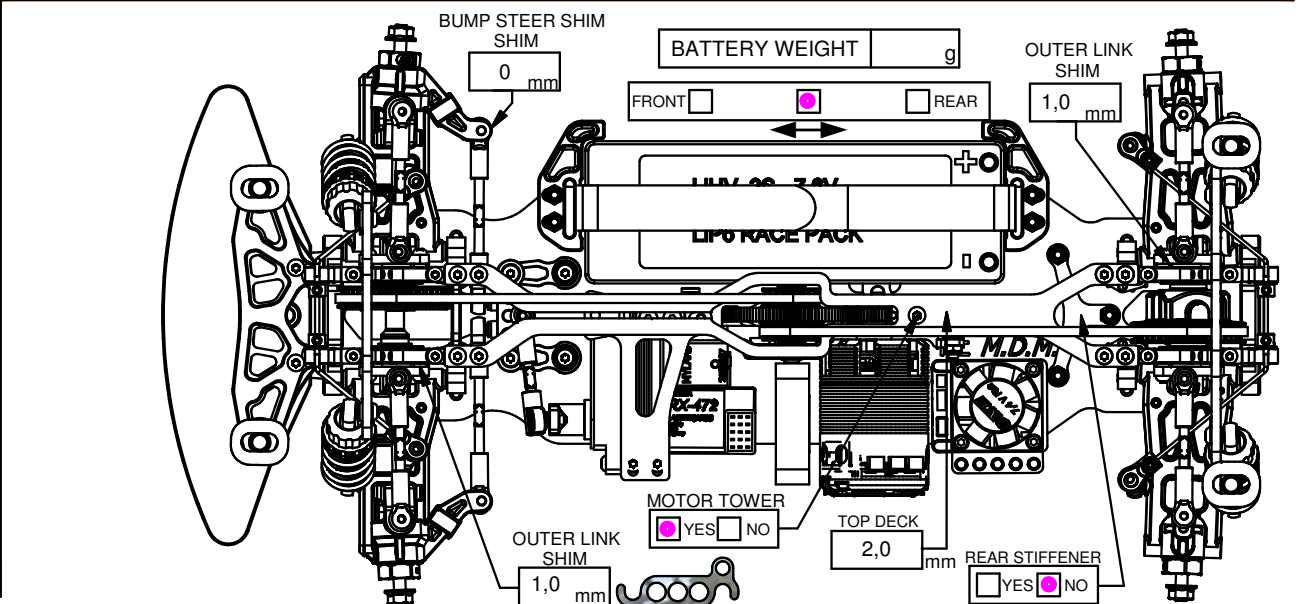
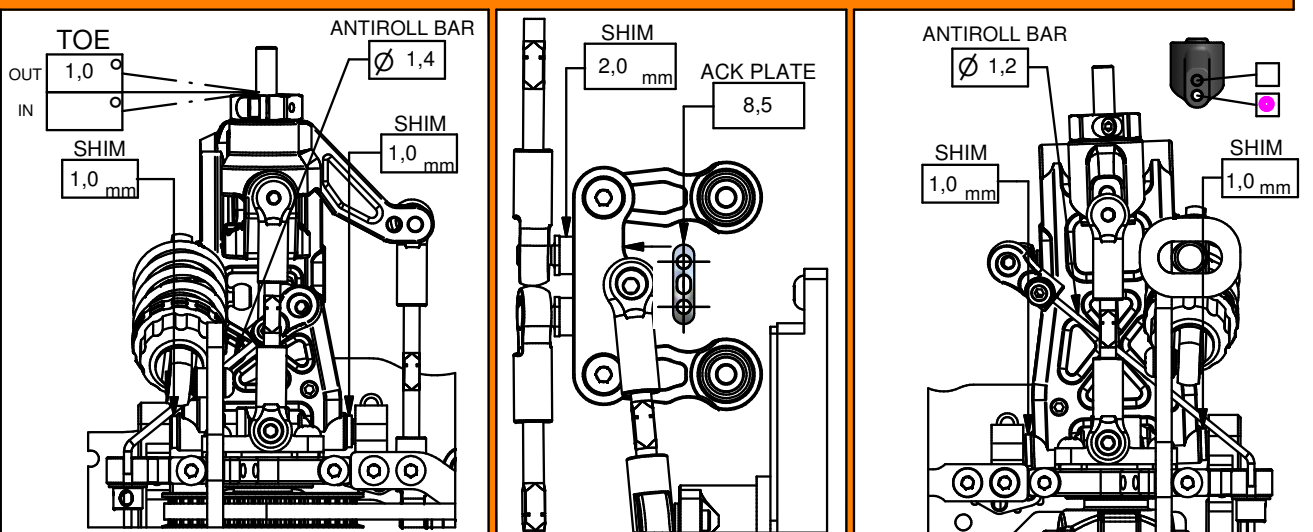
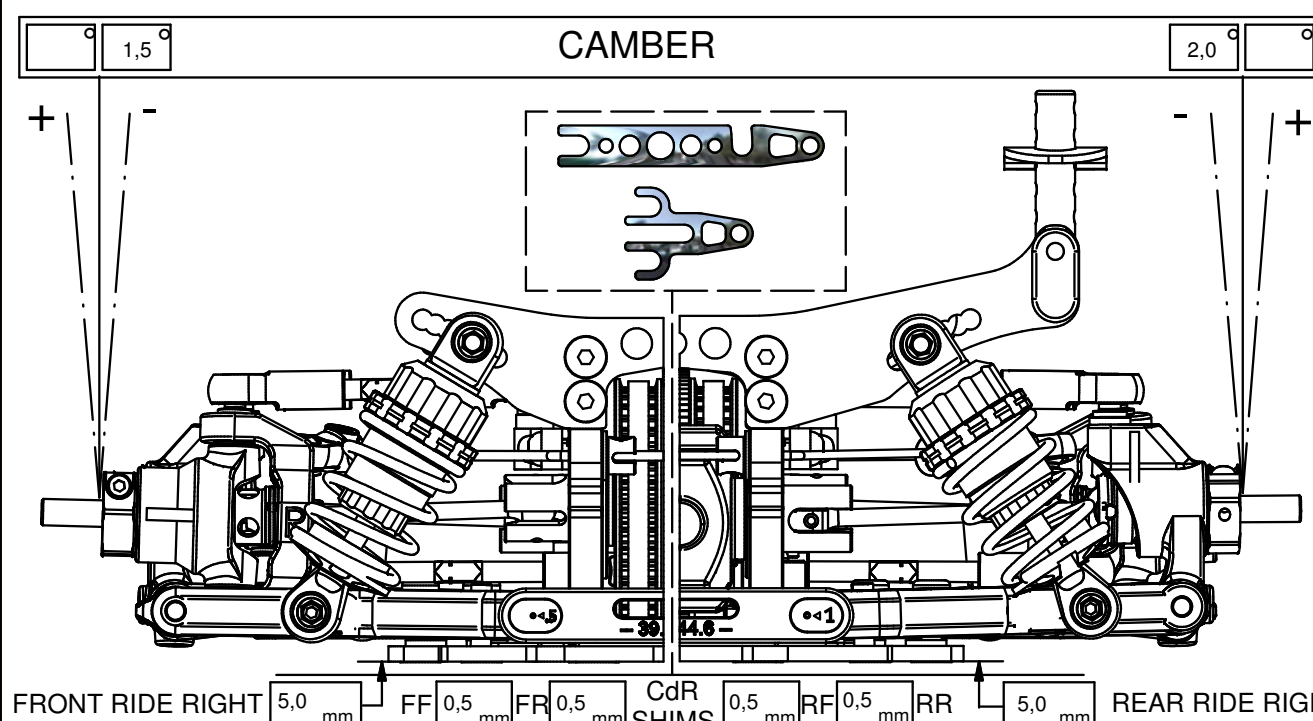
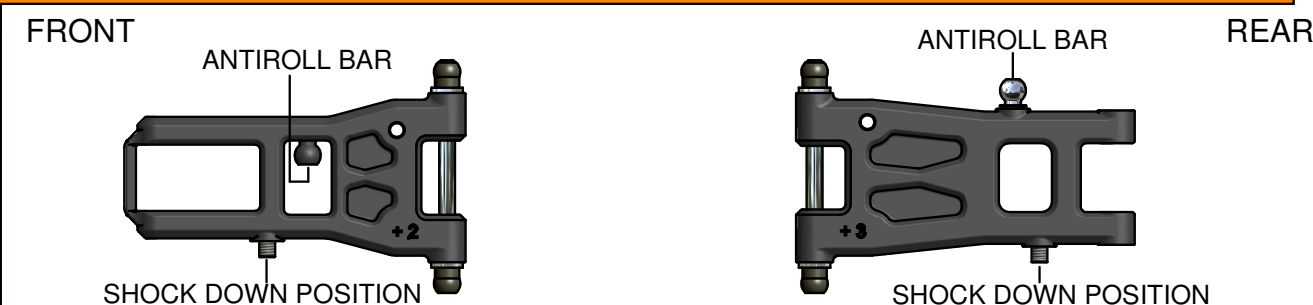
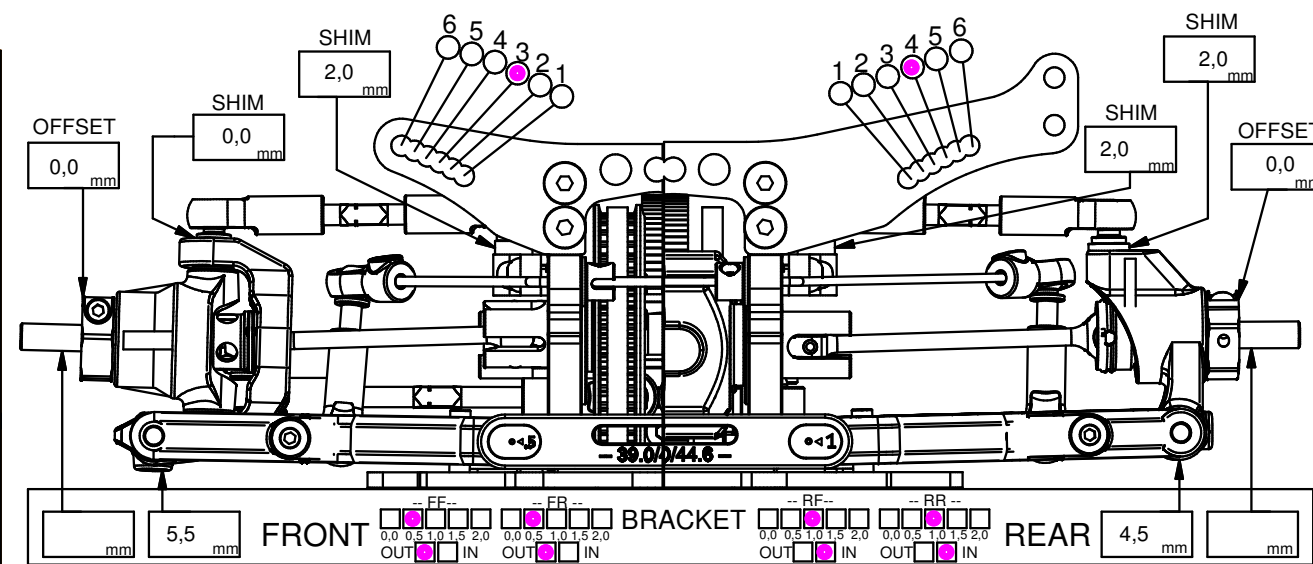
FRONT REAR
OIL 350 CST HOLE ☐ 2 ☐ 3 ☐ 4 ☐ 350 CST
SPRING ORANGE SPRING ORANGE

TIRES
RIM
ADDITIVE

SHASSIS TYPE ☐ Carbon ☐ Aluminium ☐ ATS ☐ ATS SHIM

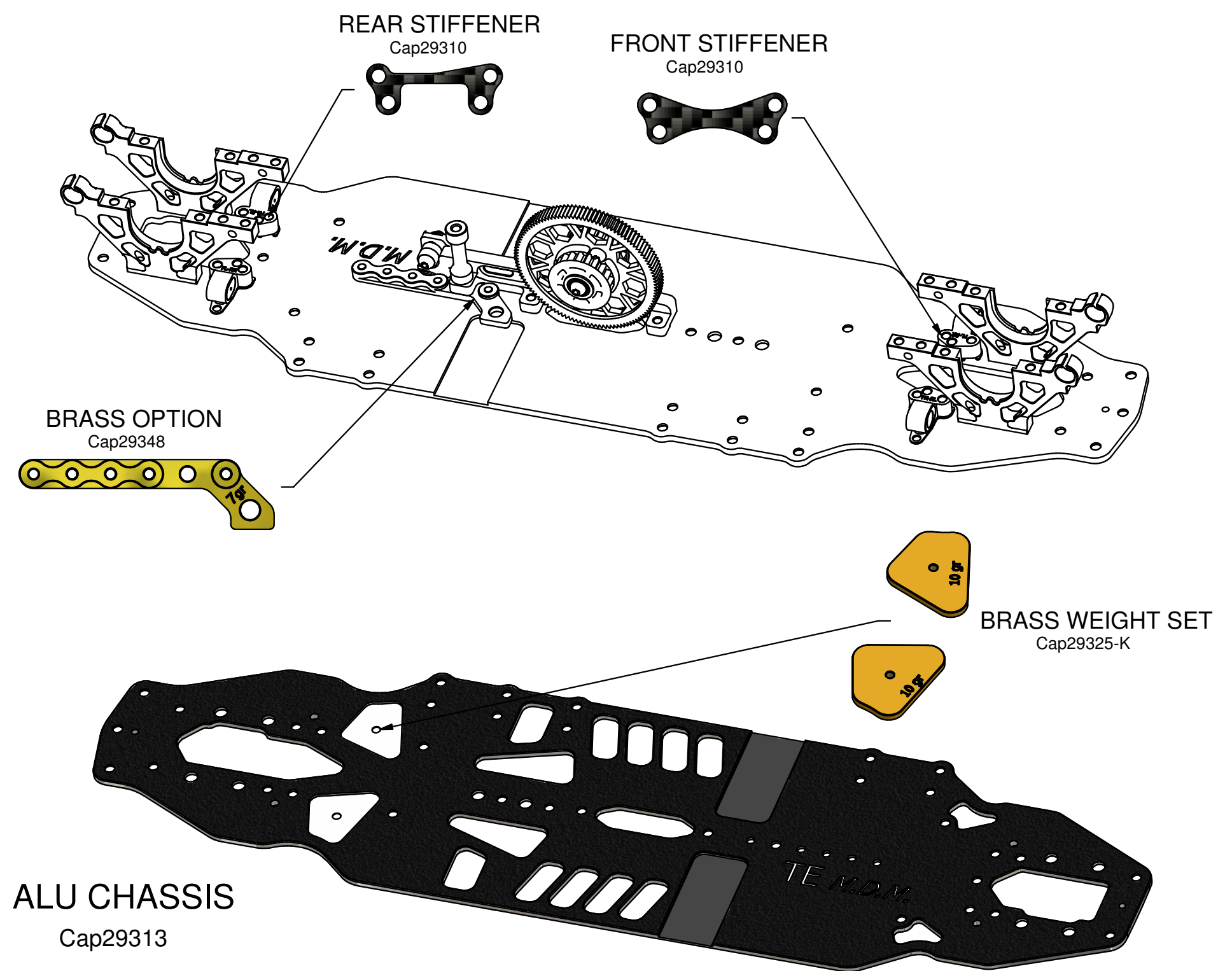


NOTE

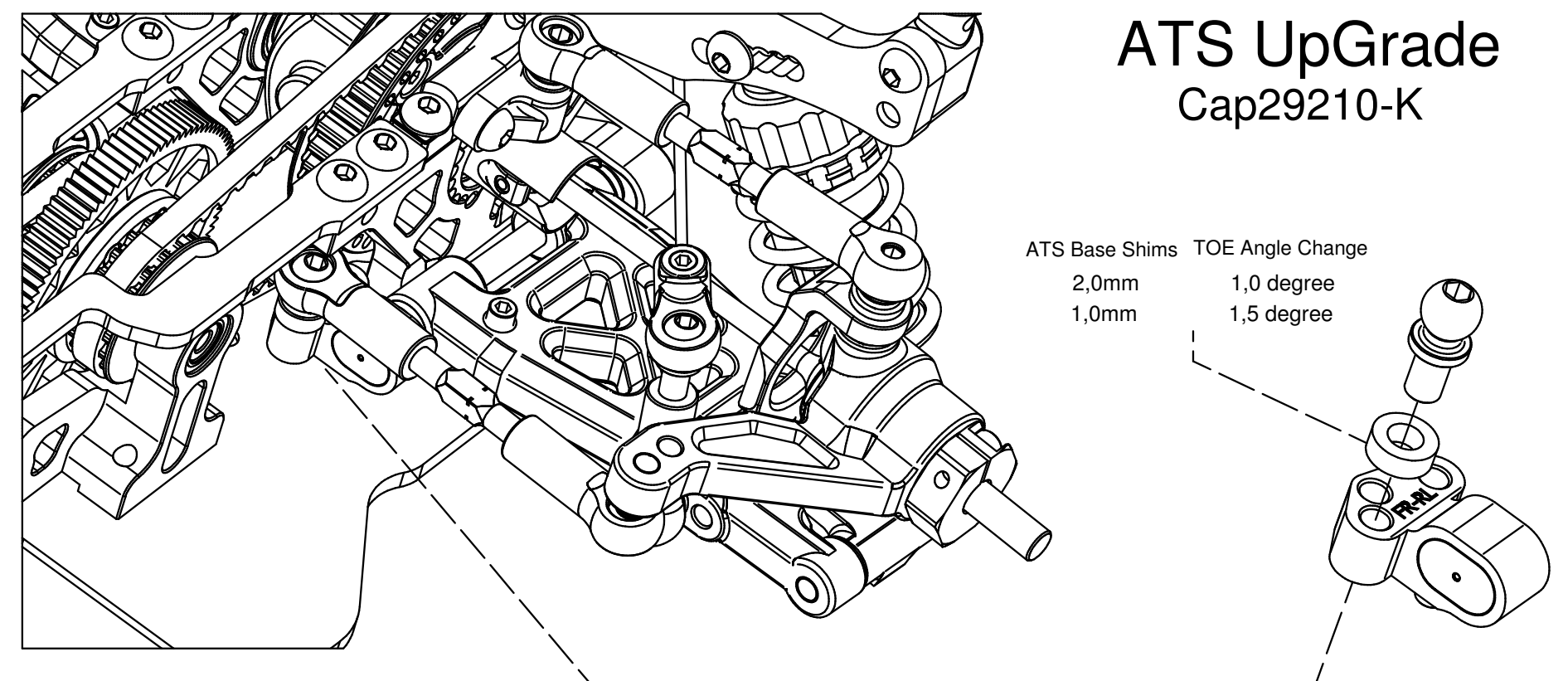


OPTION PARTS

Capricorn RC



ALU CHASSIS
Cap29313



ATS Base Shims TOE Angle Change
2,0mm 1,0 degree
1,0mm 1,5 degree

TE05 INSERT CHART

FF	Front Suspension Block FR									Pivot Pin Width
	2 In / 2 In	1,5 In / 1,5 In	1 In / 1 In	0,5 In / 0,5 In	0 / 0	0,5 Out / 0,5 Out	1 Out / 1 Out	1,5 Out / 1,5 Out	2 Out / 2 Out	TRACTION
	2 In / 2 In	0°								39,00
	1,5 In / 1,5 In	0,5°	0°							39,70
	1 In / 1 In	1°	0,5°	0°						40,40
	0,5 In / 0,5 In	1,5°	1°	0,5°	0°					41,10
	0 / 0	2°	1,5°	1°	0,5°					41,80
	0,5 Out / 0,5 Out	2,5°	2°	1,5°	1°	0,5°	0°			42,50
	1 Out / 1 Out	3°	2,5°	2°	1,5°	1°	0,5°	0°		43,20
	1,5 Out / 1,5 Out	3,5°	3°	2,5°	2°	1,5°	1°	0,5°	0°	43,90
	2 Out / 2 Out	4°	3,5°	3°	2,5°	2°	1,5°	1°	0,5°	44,60
Show Front TOE-Out degree 0°= parallel (Default Set-Up)										RESPONSE
RR	REAR Suspension Block RF									Pivot Pin Width
	2 In / 2 In	1,5 In / 1,5 In	1 In / 1 In	0,5 In / 0,5 In	0 / 0	0,5 Out / 0,5 Out	1 Out / 1 Out	1,5 Out / 1,5 Out	2 Out / 2 Out	TRACTION
	2 In / 2 In	2°	1,5°	1°	0,5°	0°				39,00
	1,5 In / 1,5 In	2,5°	2°	1,5°	1°	0,5°	0°			39,70
	1 In / 1 In	3°	2,5°	2°	1,5°	1°	0,5°	0°		40,40
	0,5 In / 0,5 In	3,5°	3°	2,5°	2°	1,5°	1°	0,5°	0°	41,10
	0 / 0	4°	3,5°	3°	2,5°	2°	1,5°	1°	0,5°	41,80
	0,5 Out / 0,5 Out	4,5°	4°	3,5°	3°	2,5°	2°	1,5°	1°	42,50
	1 Out / 1 Out	5°	4,5°	4°	3,5°	3°	2,5°	2°	1,5°	43,20
	1,5 Out / 1,5 Out	5,5°	5°	4,5°	4°	3,5°	3°	2,5°	2°	43,90
	2 Out / 2 Out	6°	5,5°	5°	4,5°	4°	3,5°	3°	2,5°	44,60
Show Rear TOE-In degree 2° Default Set-Up 0°= parallel (ATS Set-Up)										RESPONSE

- Option Parts -

Capricorn RC

SOFT



0,22	Cap29176
0,24	Cap29175
0,25	Cap18106
0,26	Cap29174
0,27	Cap18107
0,28	Cap29173
0,30	Cap29172

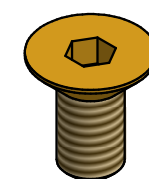
HARD

M3 Aluminium screws



M3x4mm	cod. Cap29266
M3x5mm	cod. Cap29267
M3x6mm	cod. Cap29268
M3x8mm	cod. Cap29269
M3x10mm	cod. Cap29270
M3x12mm	cod. Cap29271
M3x14mm	cod. Cap29272
M3x16mm	cod. Cap29273

M3 Aluminium screws



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

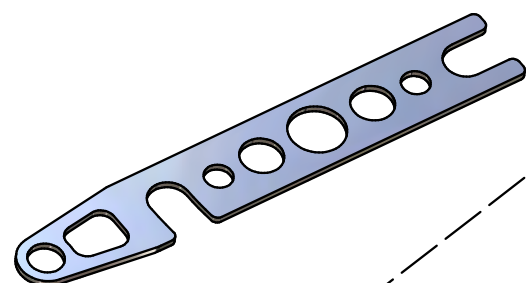


cod. Cap29309-K

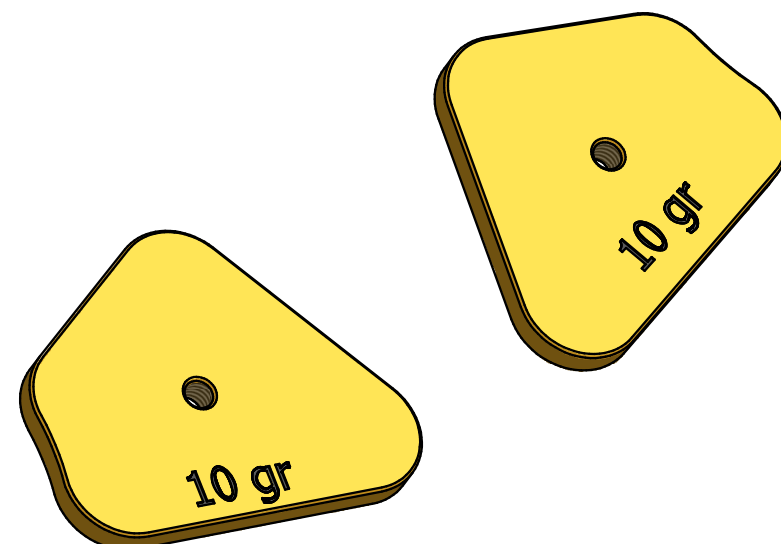


cod. Cap29310-K

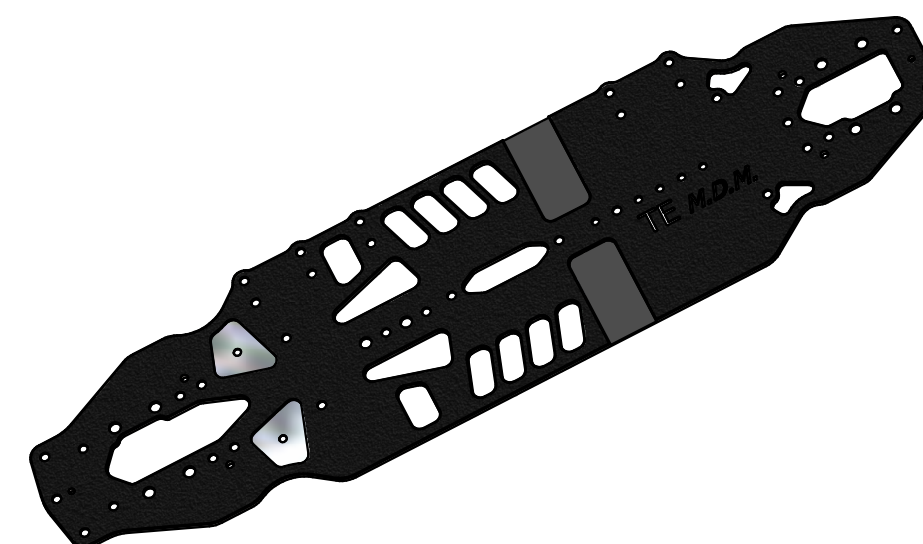
0,25mm cod. Cap29292-0,25



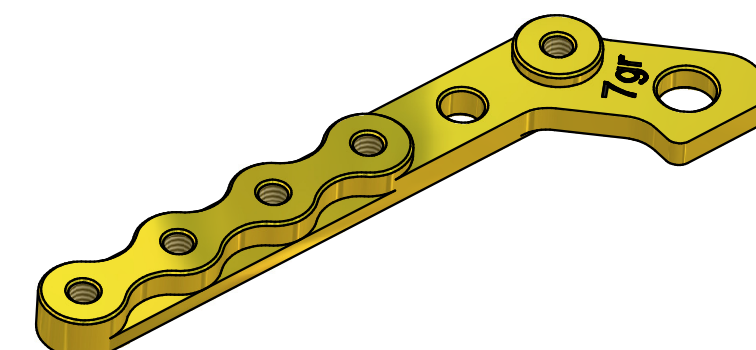
0,25mm cod. Cap29293-0,25



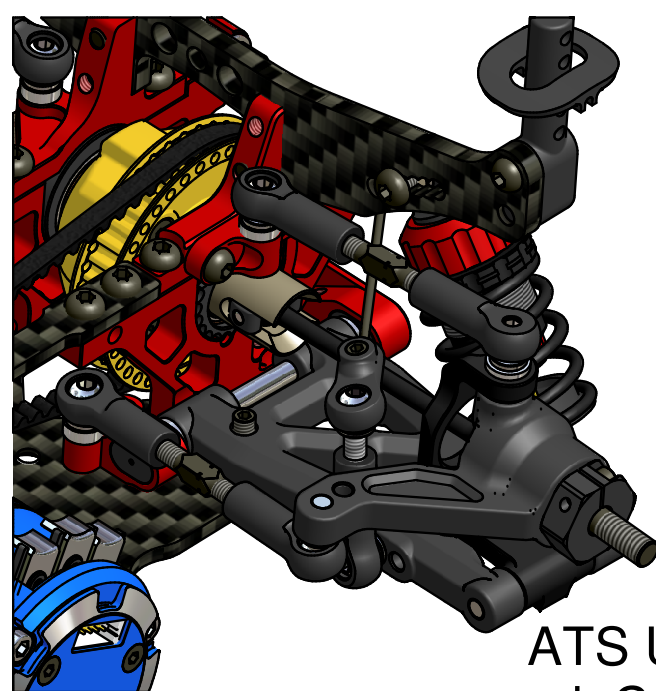
ALU Chassis weight set
cod. Cap29329



ALU Chassis
cod. Cap29355



Brass motor strip
cod. Cap29348



ATS UpGRade
cod. Cap29210-K

Super Short Damper set cod. Cap29385-K

