

HYPER VS2

Nitro

HoBao

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**RACE
BUGGY**

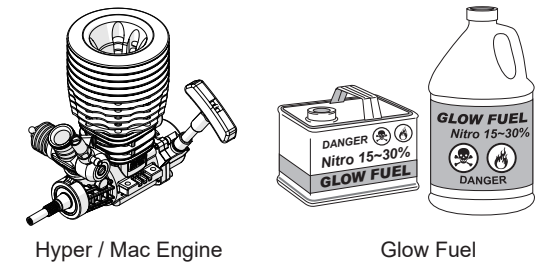
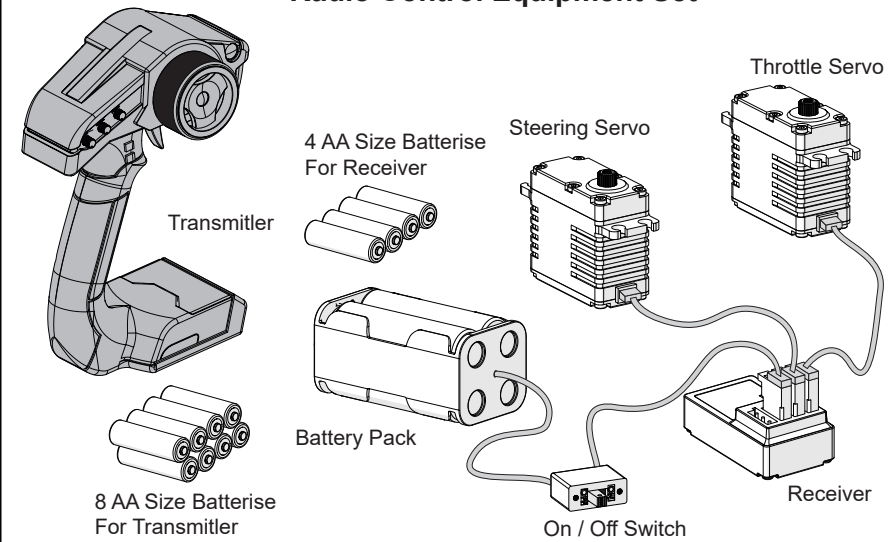
INSTRUCTION MANUAL

Made in Taiwan

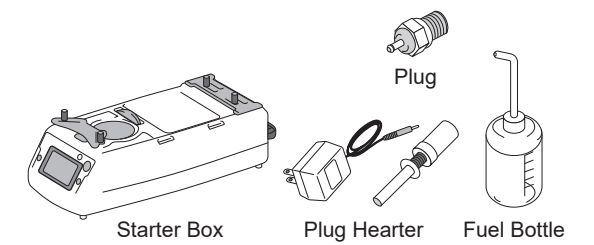
HYPER VS2 Nitro

Required

Radio Control Equipment Set

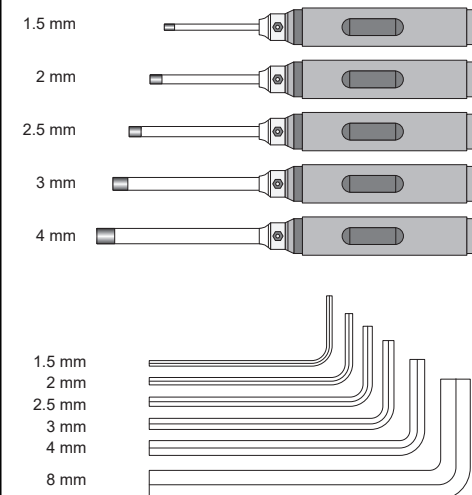


Required For Engine Starting

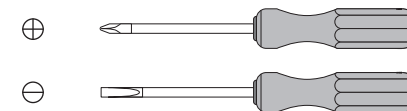


Tools Recommended

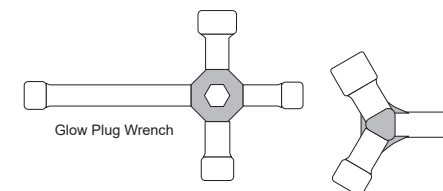
Hex Wrench



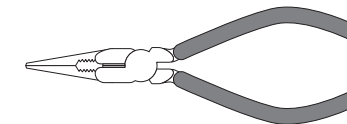
Screwdriver



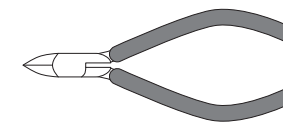
Wrench



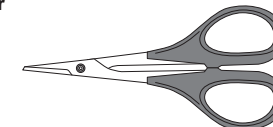
Long Nose Pliers



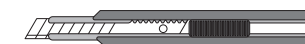
Side Cutter



Curved Scissor



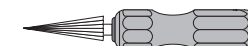
Modeling Knife



Tweezers



Reamer



Instant Cement



Rubber Cement



Thread Lock



Grease



Silicone Oil



1

- 85066
4.1x8x0.1mm x8
Washer
- 87005-2
6.2x13.9x0.15mm x4
Washer
- 36101
5.8x1.9mm x4
O-ring
- 38404
M4x4 x1
Set Screw
- 31315
M3x15 x8
F/H Screw
- 36001
2.5x13.8mm x4
Shaft
- 84076
8x16x5mm x4
Ball Bearing

Front / Rear Differential Assembly

1

Diagram showing the initial assembly of the differential housing (85110) and axle (84076) with the axle nut (36001) and washer (87005-2).

2

Diagram showing the addition of the differential gears (85066) and the axle (84076) to the housing.

3

Diagram showing the final assembly of the differential housing (85110) with the axle (84076) and the axle nut (36001) and washer (87005-2).

4

Diagram showing the final assembly of the differential housing (85110) with the axle (84076) and the axle nut (36001) and washer (87005-2).

2

- 38504
M5x4 x2
Set Screw
- 33315
M3x15 x4
B/H Screw
- 84076
8x16x5mm x4
Ball Bearing

Front / Rear Gear Box Assembly

Diagram showing the assembly of the gear box (88001) with the axle (84076) and the axle nut (36001) and washer (87005-2).

3

- 87027-1
2.5x16.8mm x4
Shaft
- 84076
8x16x5mm x4
Ball Bearing

Front Pivot Ball Steering And CVA Shaft Assembly

Diagram showing the assembly of the front pivot ball steering (87206) and the CVA shaft (87354) with the axle (84076) and the axle nut (36001) and washer (87005-2).

4

- 38408
M4x8 x2
Set Screw
- 87044S x2
Alum Collar
- 33315
M3x15 x3
B/H Screw
- 32320
M3x20 x2
Cap Screw
- 88002
M4x47 x2
B/H Screw

6

- 84078
6x10x3mm x4
Ball Bearing
- 31312
M3x12 x2
F/H Screw
- 33308
M3x8 x1
B/H Screw

Front Ball Steering And Suspension Arm Assembly

STEP 1

Diagram showing the initial assembly of the ball steering (89604) and the suspension arm (85116) with the axle (84076) and the axle nut (36001) and washer (87005-2).

STEP 2

Diagram showing the final assembly of the ball steering (89604) and the suspension arm (85116) with the axle (84076) and the axle nut (36001) and washer (87005-2).

CNC Alum Front Shock Tower and Lower Arm Holder Assembly

Diagram showing the assembly of the CNC alum front shock tower (85080) and the lower arm holder (88004) with the axle (84076) and the axle nut (36001) and washer (87005-2).

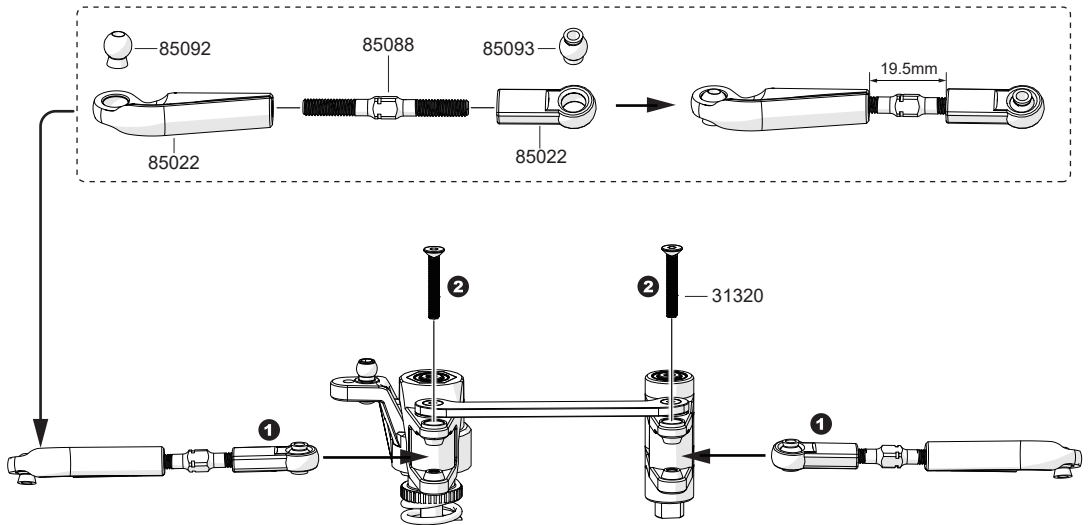
Servo Saver Assembly 1

Diagram showing the assembly of the servo saver (85115) with the axle (84076) and the axle nut (36001) and washer (87005-2).

7

31320
M3x20 x2
F/H Screw

Servo Saver Assembly 2



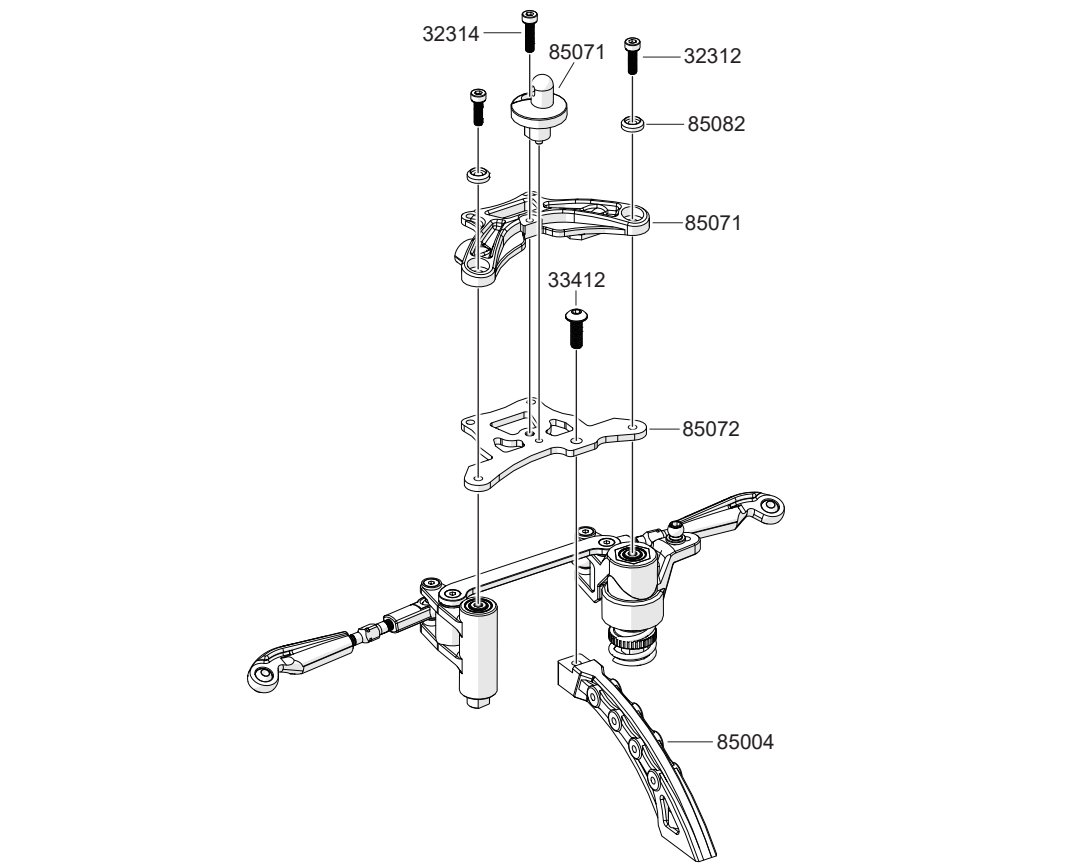
8

32314
M3x14 x1
Cap Screw

32312
M3x12 x2
Cap Screw

33412
M4x12 x1
B/H Screw

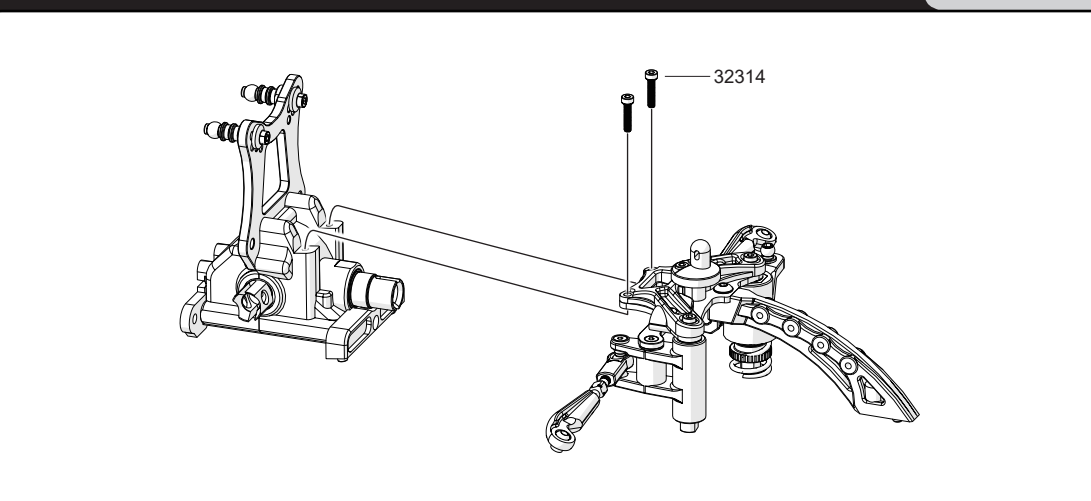
Servo Saver Assembly 3



9

32314
M3x14 x2
Cap Screw

Servo Saver Assembly 4



10

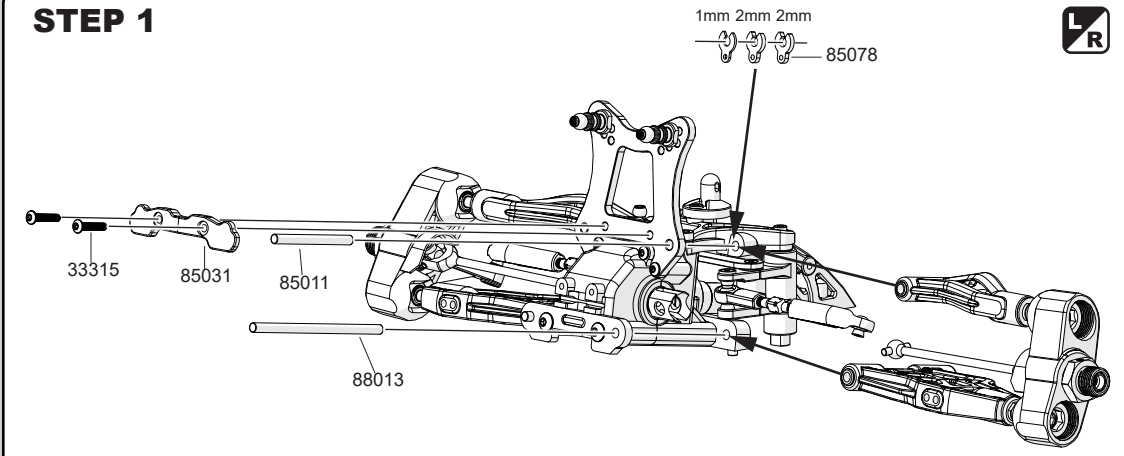
33315
M3x15 x2
B/H Screw

31320
M3x20 x2
F/H Screw

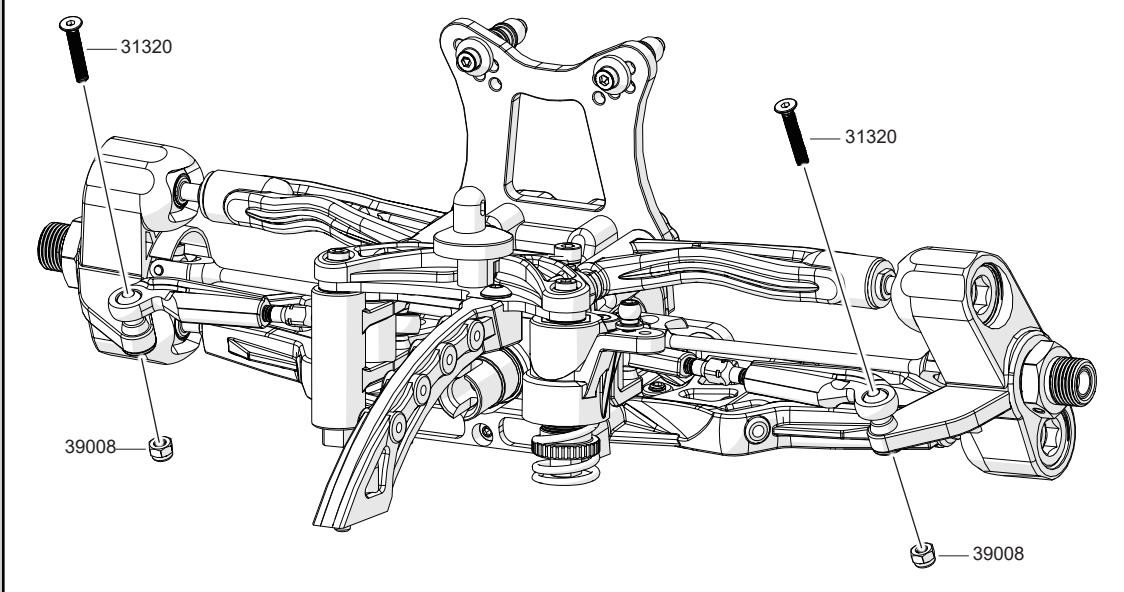
39008
M3 Nut x2

Front Suspension Arm Assembly

STEP 1



STEP 2

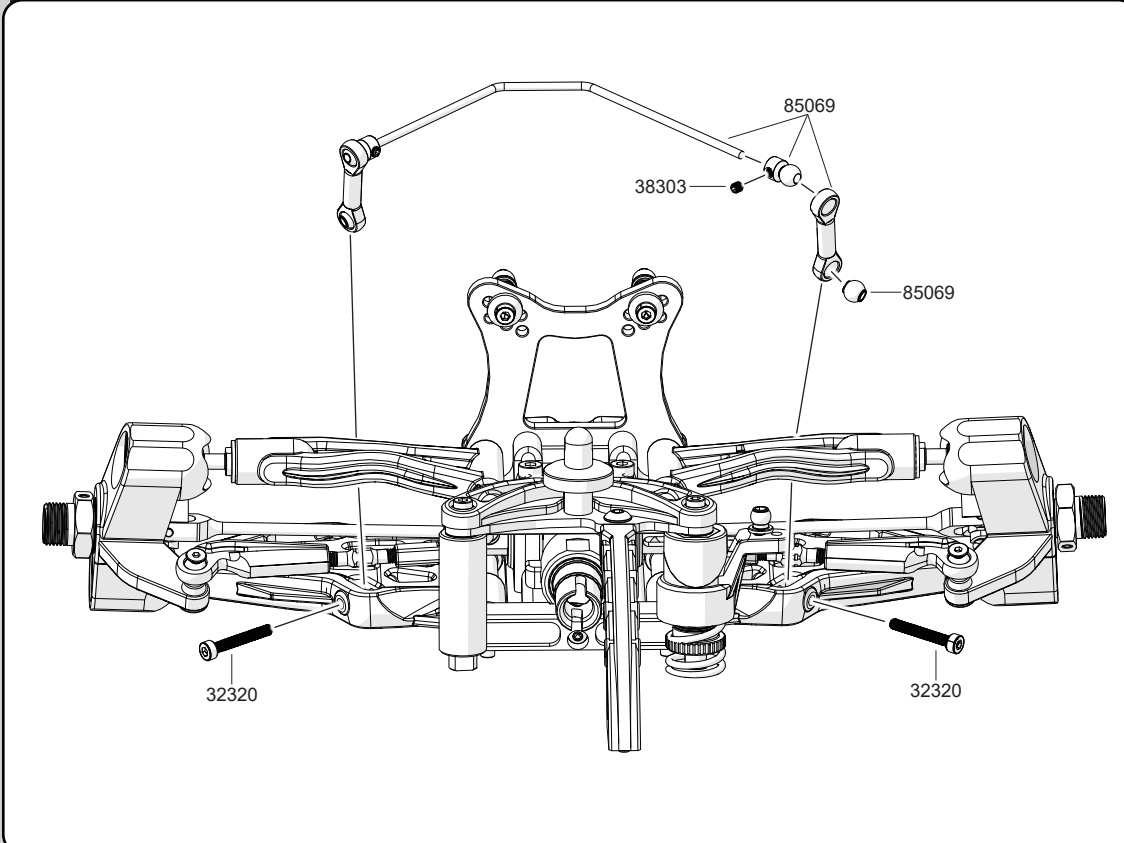


11

32320
M3x20 x2
Cap Screw

38303
M3x3 x2
Set Screw

Front Sway Bar Assembly



12

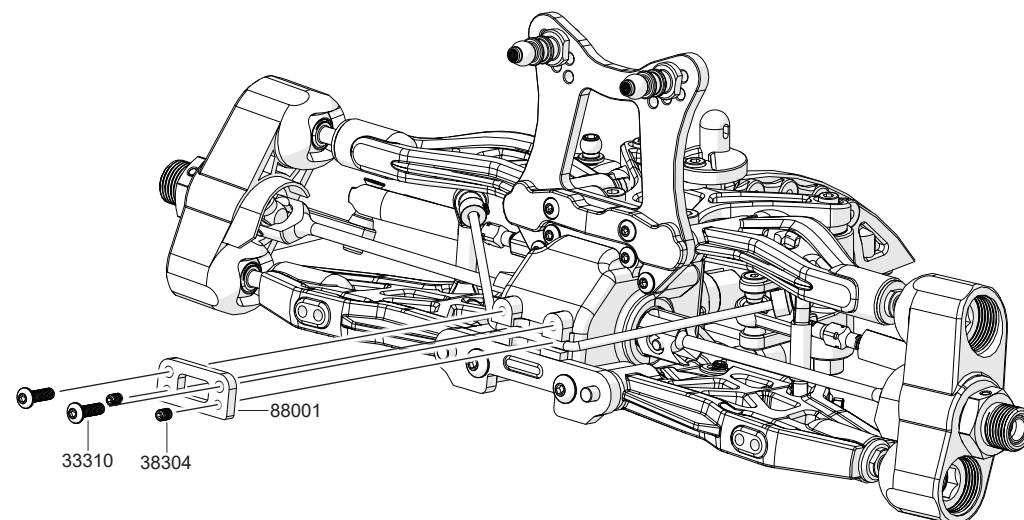


38304
M3x4 x2
Set Screw

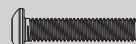


33310
M3x10 x2
B/H Screw

Front Sway Bar Assembly

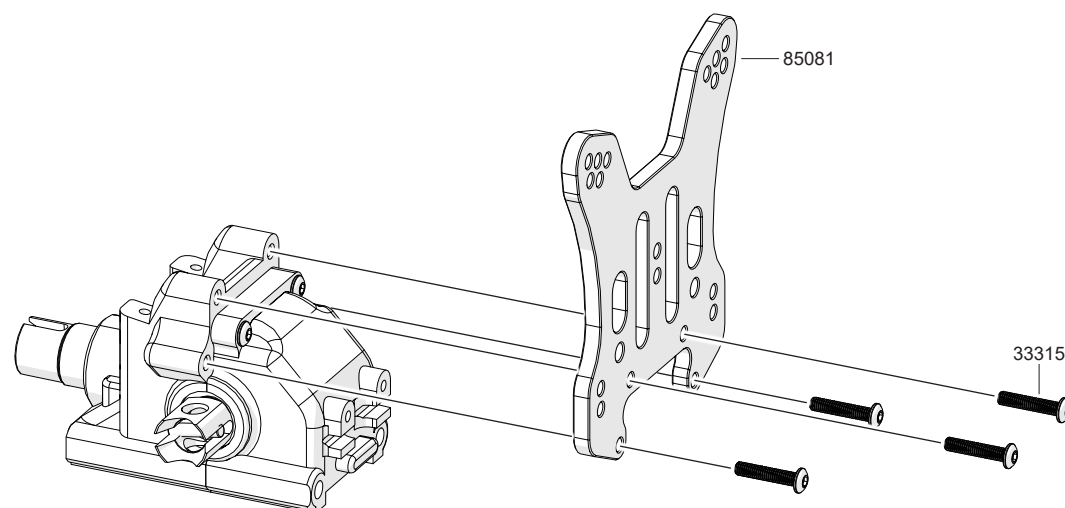


13



33315
M3x15 x4
B/H Screw

CNC Alum Rear Shock Tower And Gear Box Assembly



14



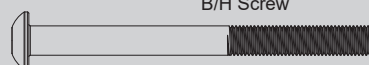
32320
M3x20 x2
Cap Screw



87044S
Alum Collar x2

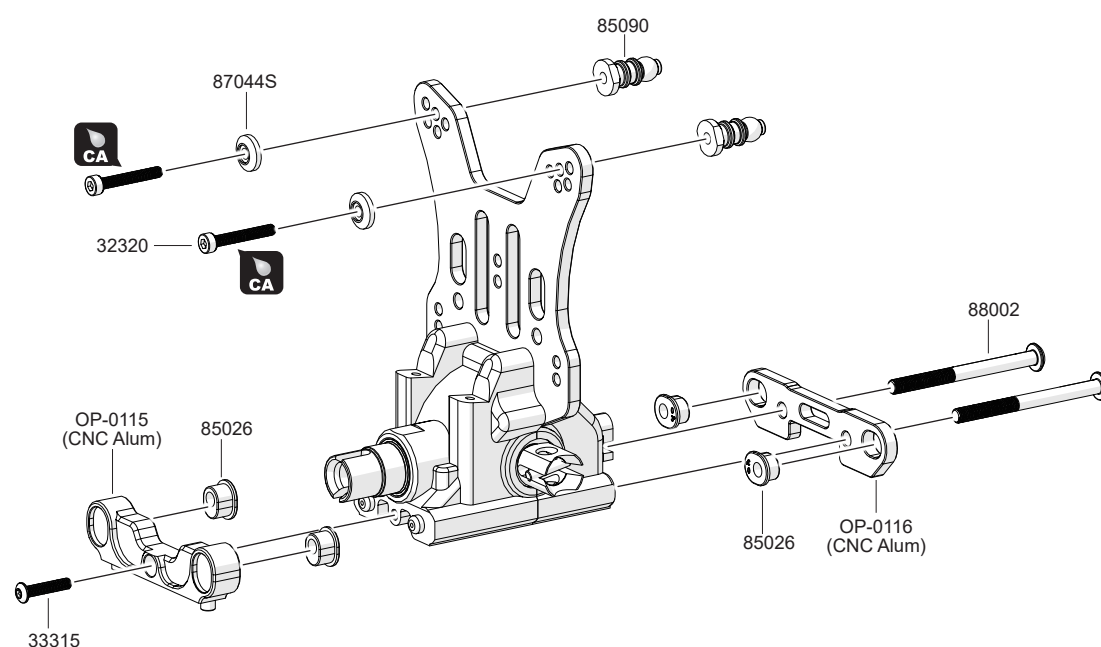


33315
M3x15 x4
B/H Screw



88002
M4x47 x2
B/H Screw

CNC Alum Rear Shock Tower And Lower Arm Holder Assembly



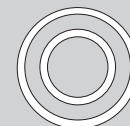
15



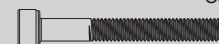
39008
M3 Nut x2



38504
M5x4 x2
Set Screw



84076
8x16x5mm x4
Ball Bearing



32325
M3x25 x2
Cap Screw

16



38408
M4x8 x2
Set Screw

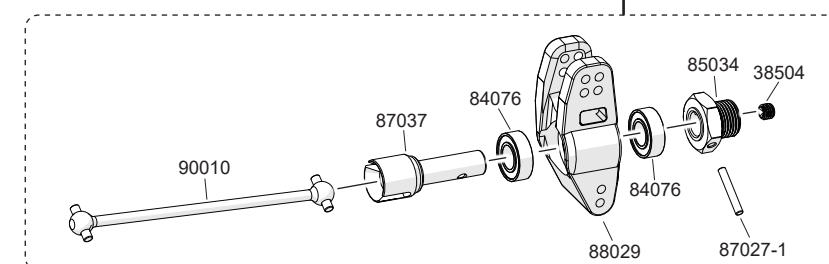
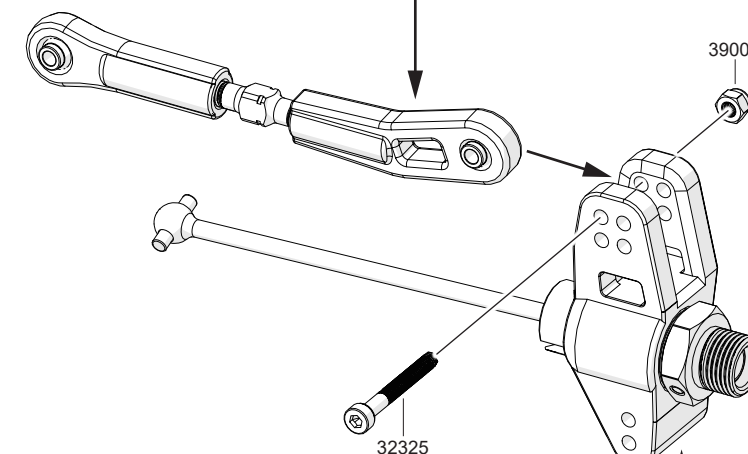
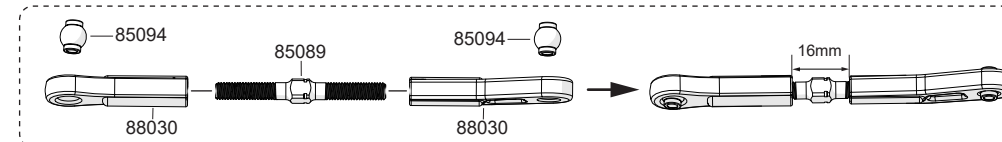


39008
M3 Nut x2

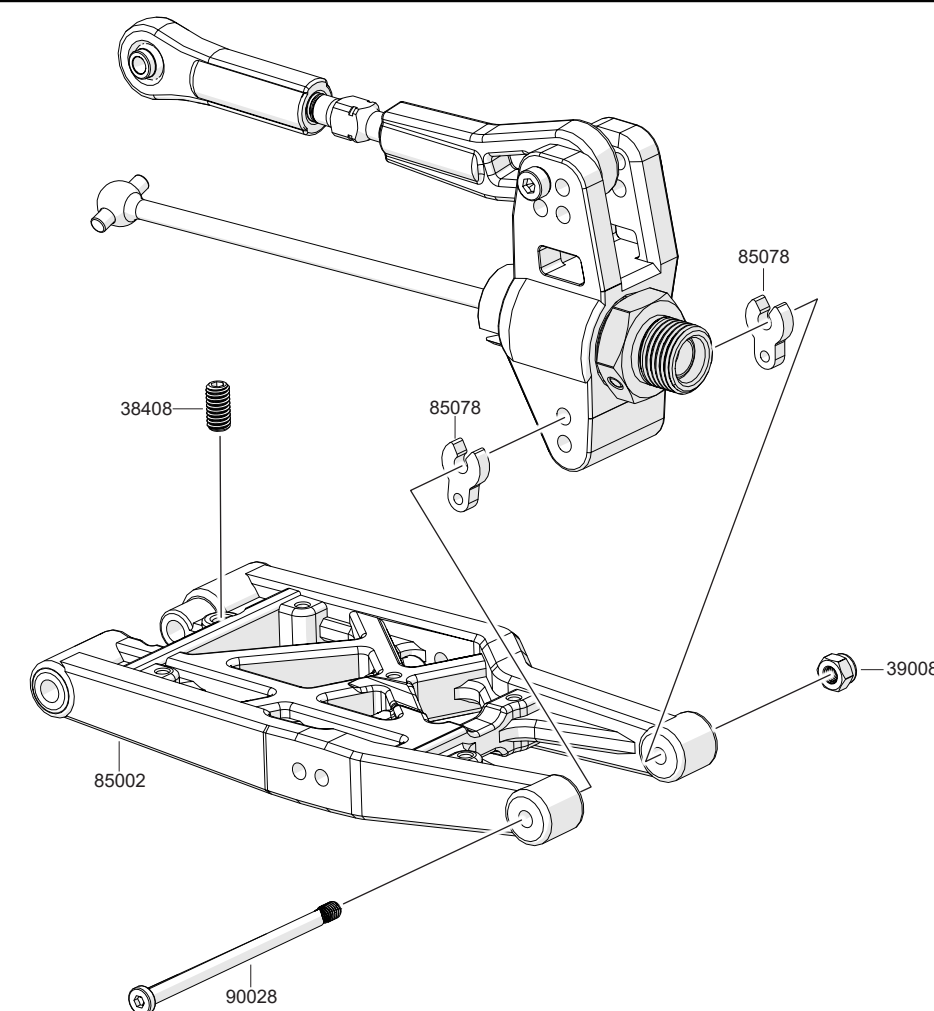


90028
M3x50 x2
Cap Screw

Rear Suspension Arm And Axle Assembly 1



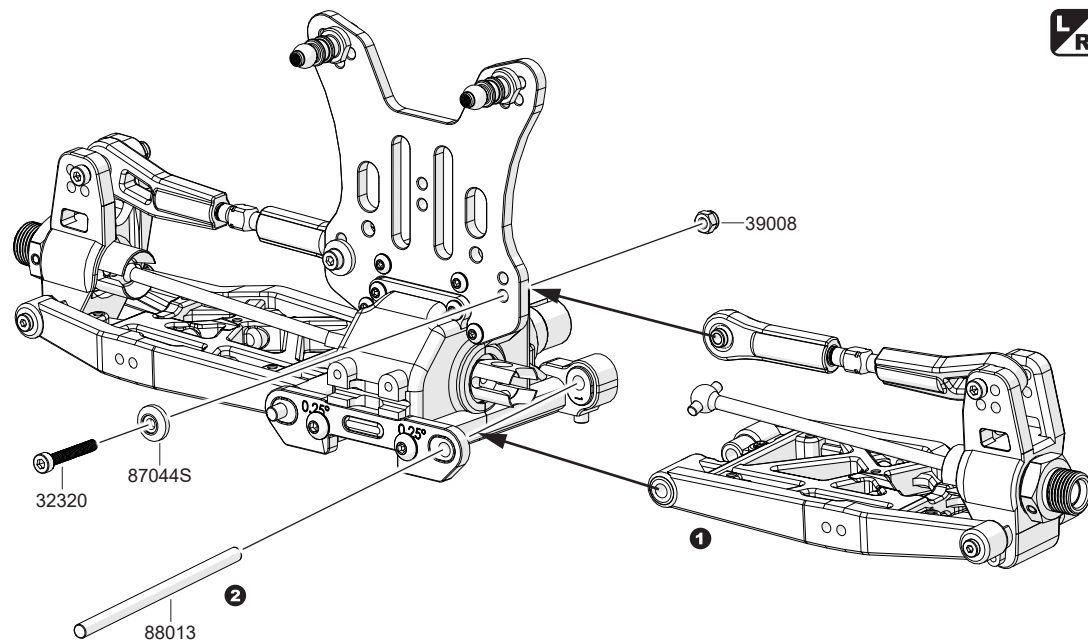
Rear Suspension Arm And Axle Assembly 2



17

- 32320
M3x20 x2
Cap Screw
- 39008
M3 Nut x2
- 87044S
Alum Collar x2

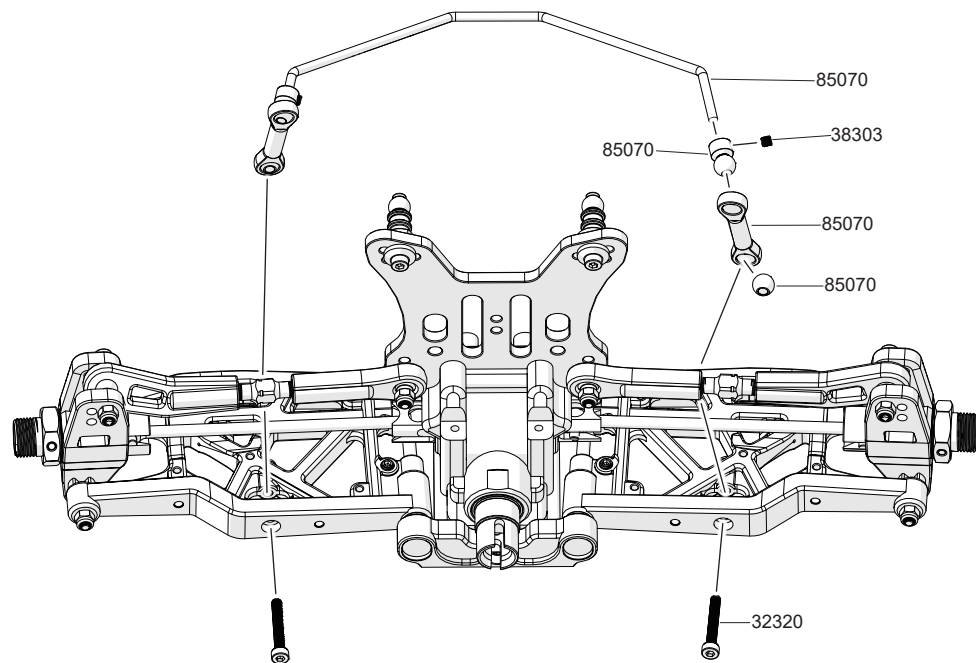
Rear Suspension Arm Assembly



18

- 32320
M3x20 x2
Cap Screw
- 38303
M3x3 x2
Set Screw

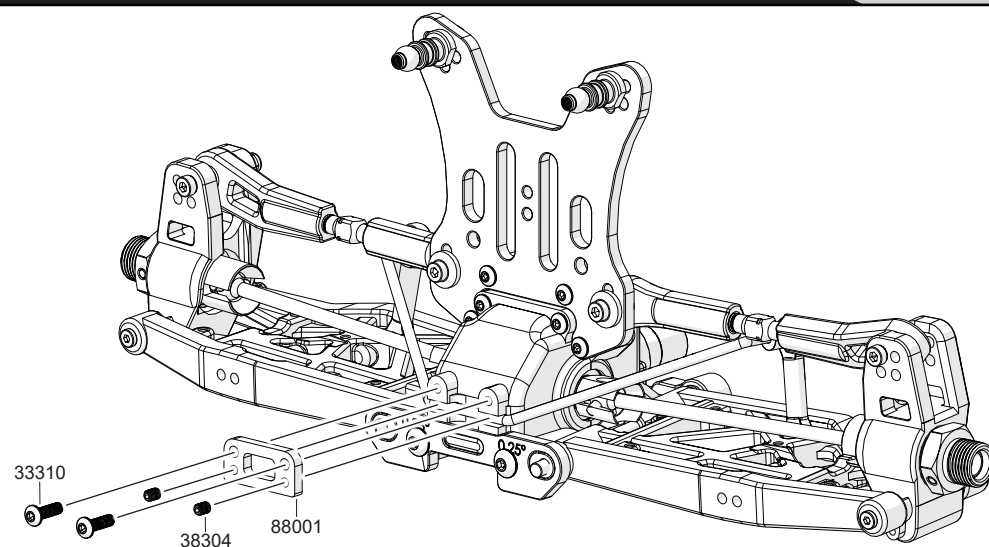
Rear Sway Bar Assembly 1



19

- 33310
M3x10 x2
B/H Screw
- 38304
M3x4 x2
Set Screw

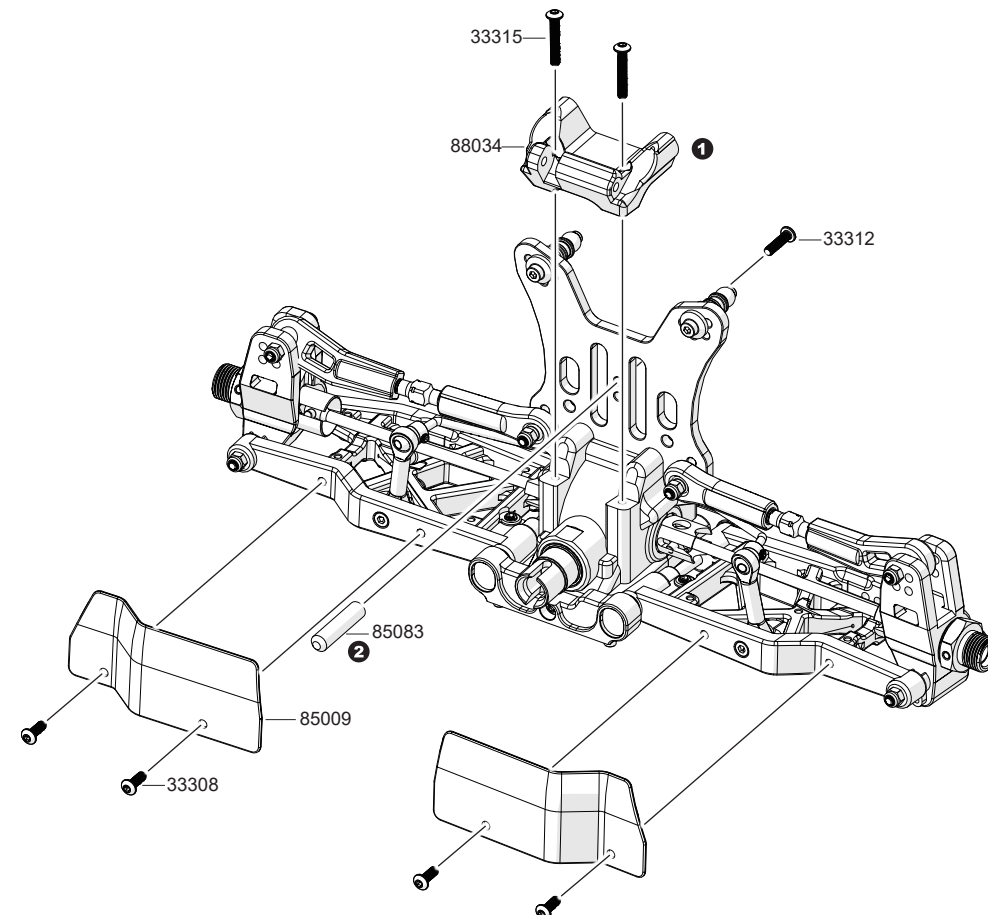
Rear Sway Bar Assembly 2



20

- 33308
M3x8 x4
B/H Screw
- 33315
M3x15 x2
B/H Screw
- 33312
M3x12 x1
B/H Screw

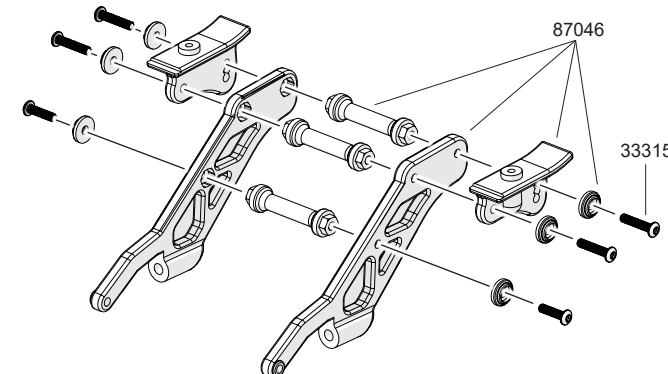
Rear Body Mount And Mud Guard Assembly



21

- 33315
M3x15 x6
B/H Screw

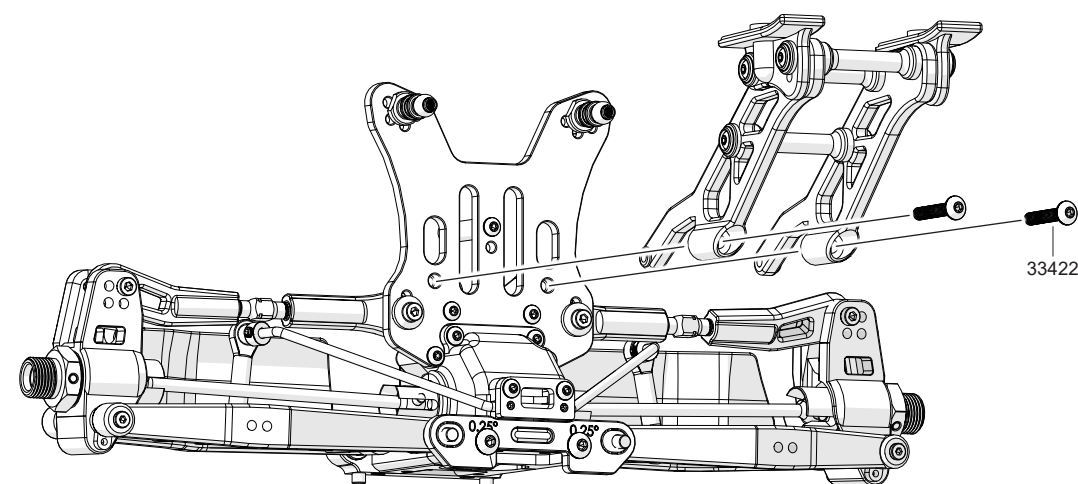
Wing Mount Assembly 1



22

- 33422
M4x22 x2
B/H Screw

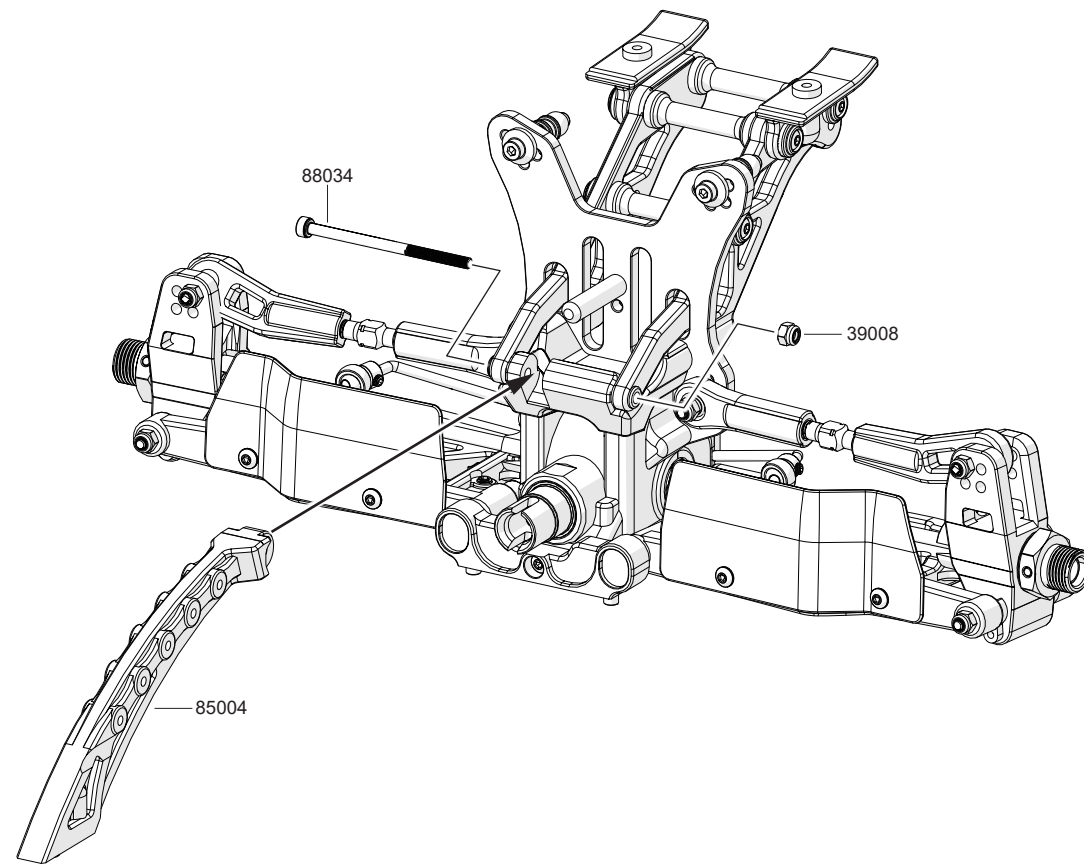
Wing Mount Assembly 2



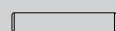
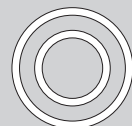
23

39008
M3 Nut x188034
M3x50 x1
Cap Screw

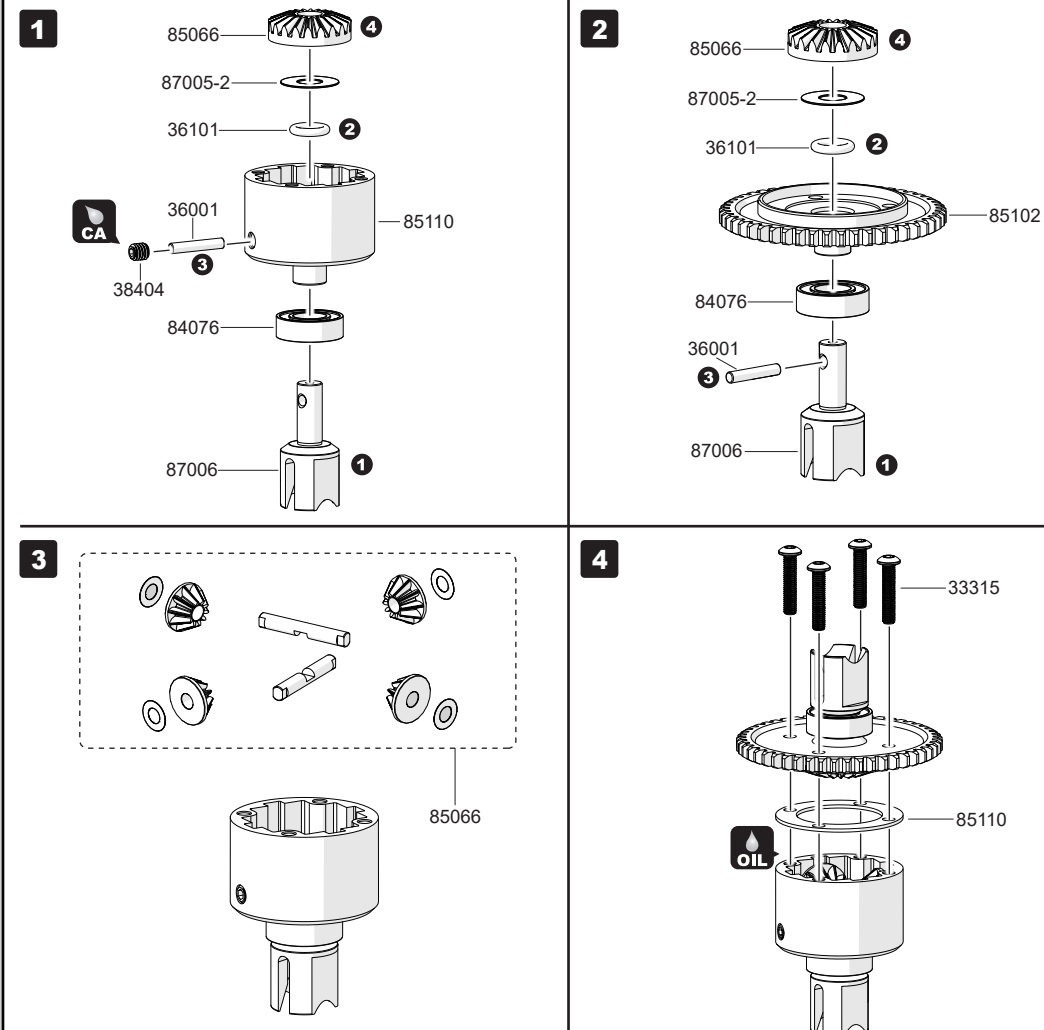
Rear Chassis Brace Assembly



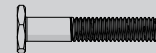
24

85066
4.1x8x0.1mm x8
Washer87005-2
6.2x13.9x0.15mm x2
Washer36101
5.8x1.9mm x2
O-ring38404
M4x4 x1
Set Screw33315
M3x15 x4
B/H Screw36001
2.5x13.8mm x2
Shaft84076
8x16x5mm x2
Ball Bearing

Center Differential Assembly



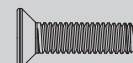
25

33310
M3x10 x4
B/H Screw34316
M3x16.5 x4
Brake Screw

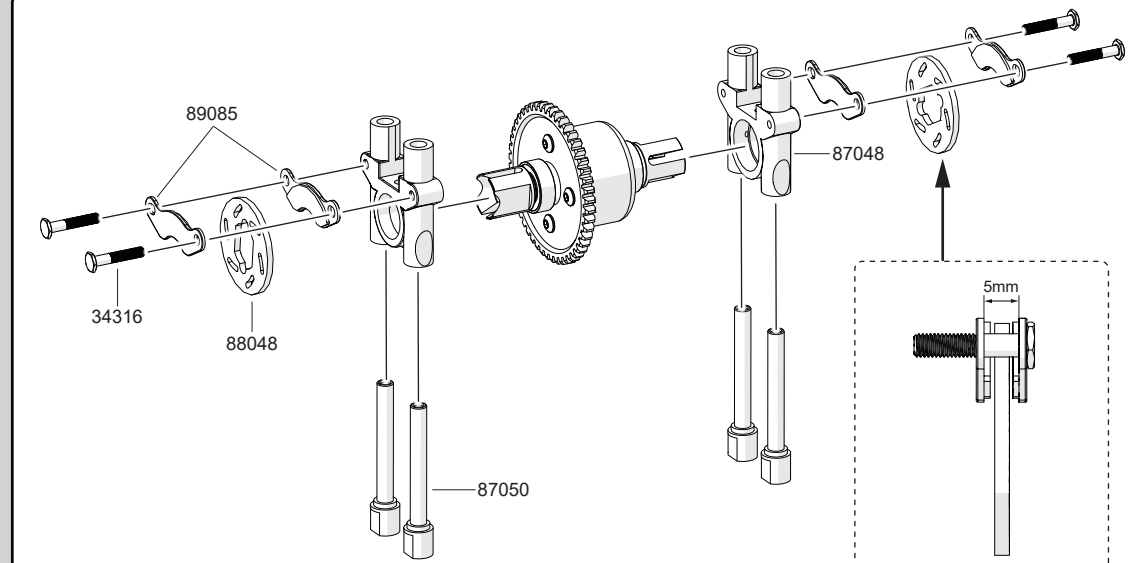
26

38303
M3x3 x2
Set Screw33310
M3x10 x4
B/H Screw

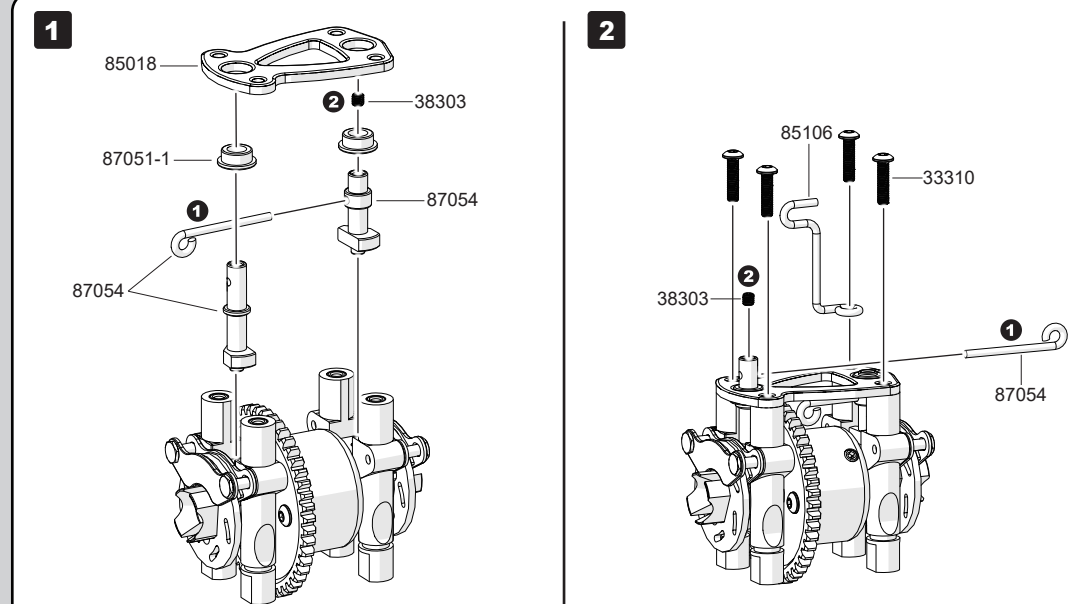
27

31410
M4x10 x4
F/H Screw31416
M4x16 x5
F/H Screw

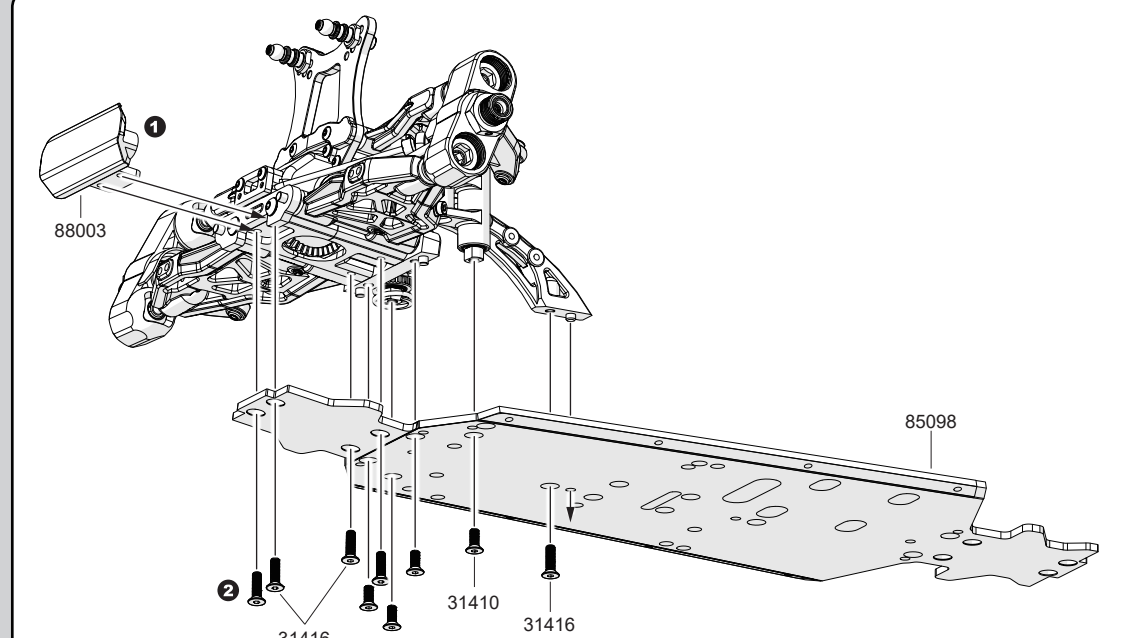
Center Differential And Brake Mount Assembly



Center Differential And Brake Mount With Air Filter Holder Assembly



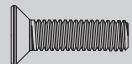
Front Clip Assembly



28

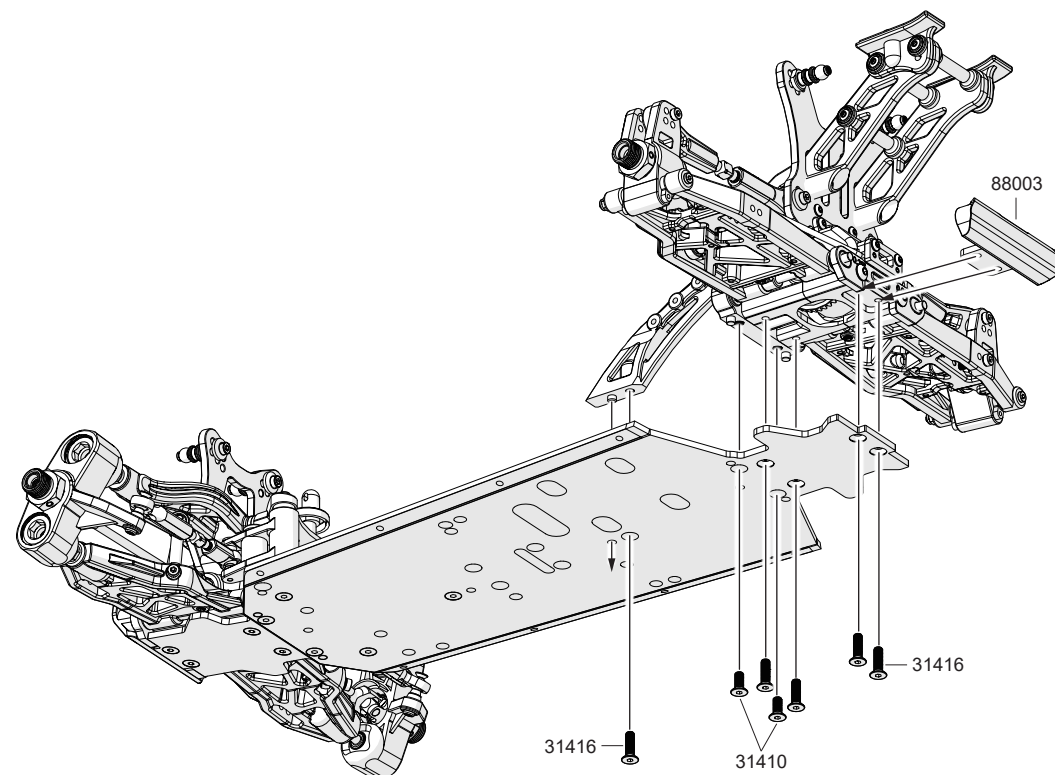


31410
M4x10 x2
F/H Screw

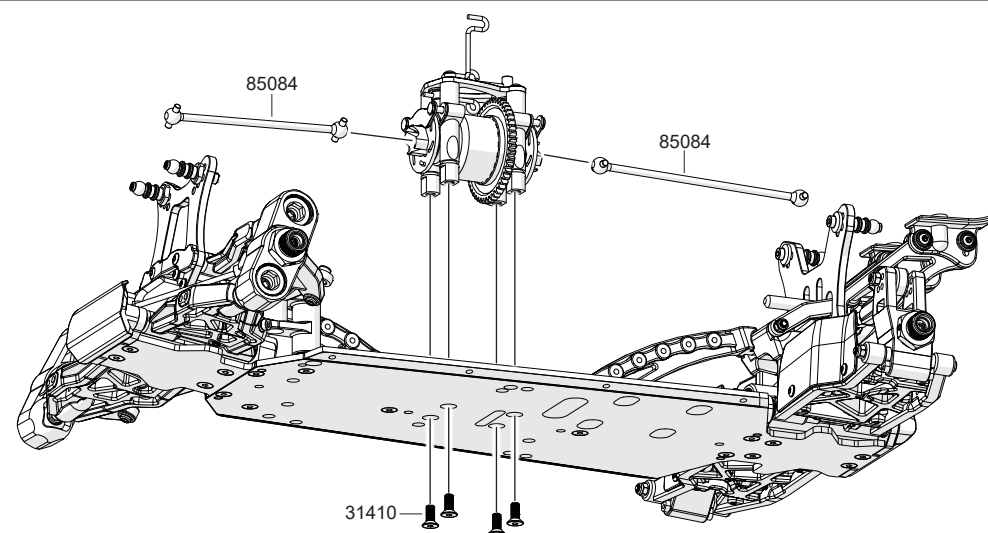


31416
M4x16 x5
F/H Screw

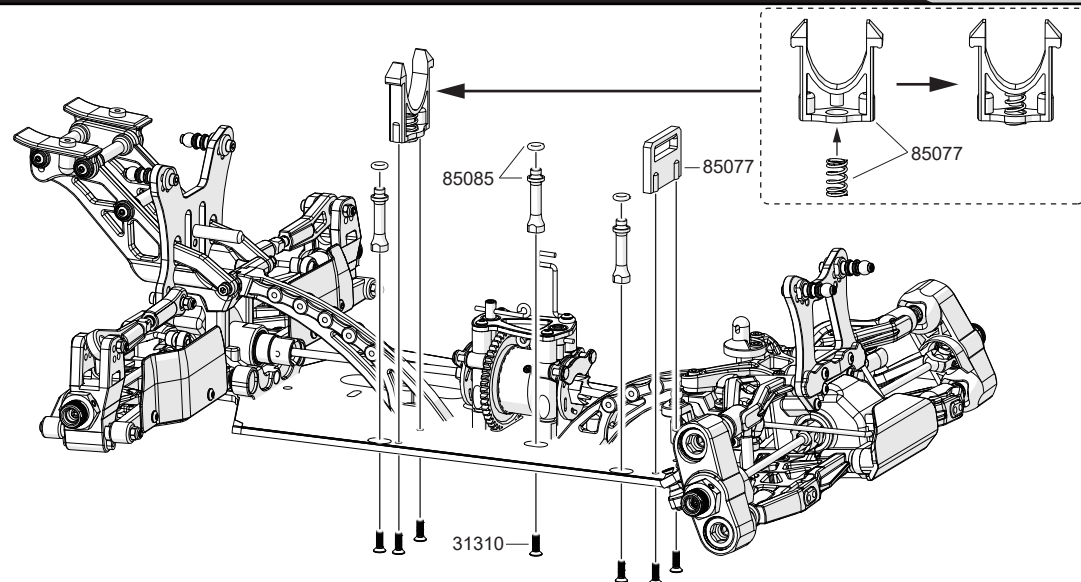
Rear Clip Assembly



Center Differential And Drive Shaft Assembly



Servo Tray Mounting Holder Assembly



29



31410
M4x10 x4
F/H Screw

30



31310
M3x10 x4
F/H Screw



85116
4x2mm x3
O-ring

31

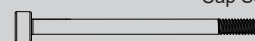


33305
M3x5 x8
B/H Screw

32



33210
M2x10 x4
B/H Screw



32230
M2x30 x1
Cap Screw

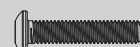
33



33305
M3x5 x3
B/H Screw

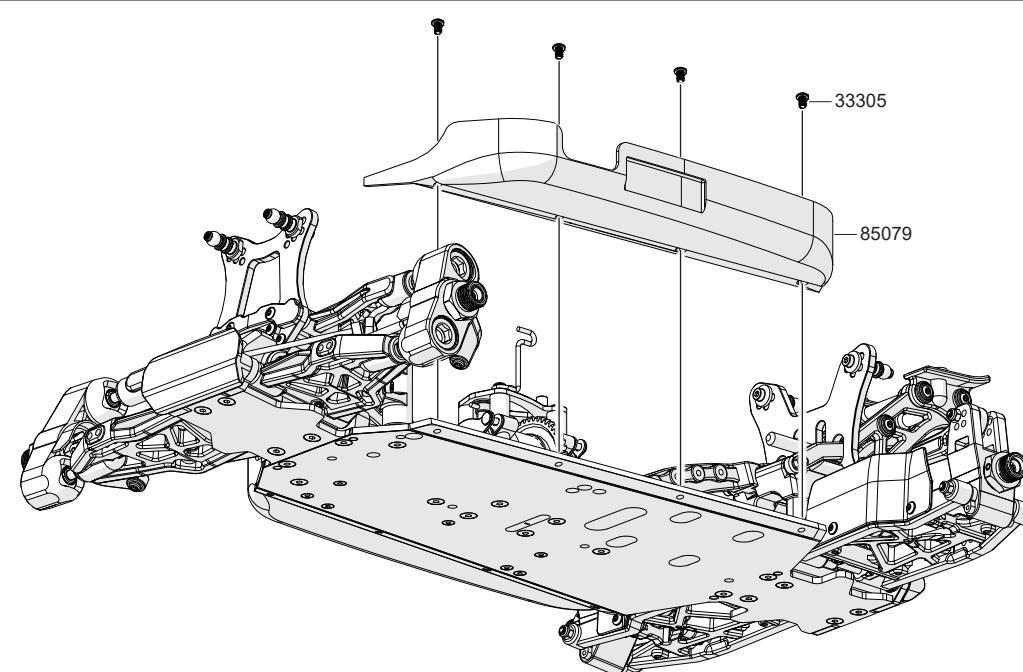


33308
M3x8 x2
B/H Screw

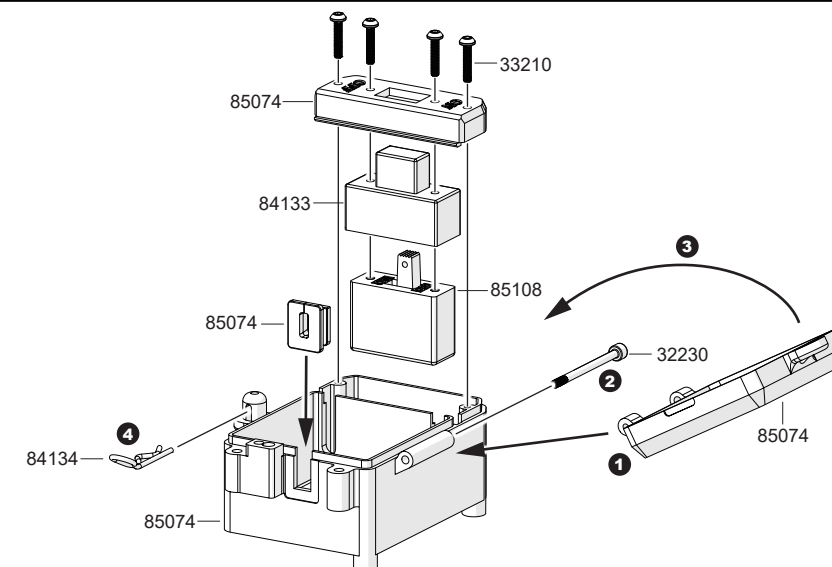


33315
M3x15 x2
B/H Screw

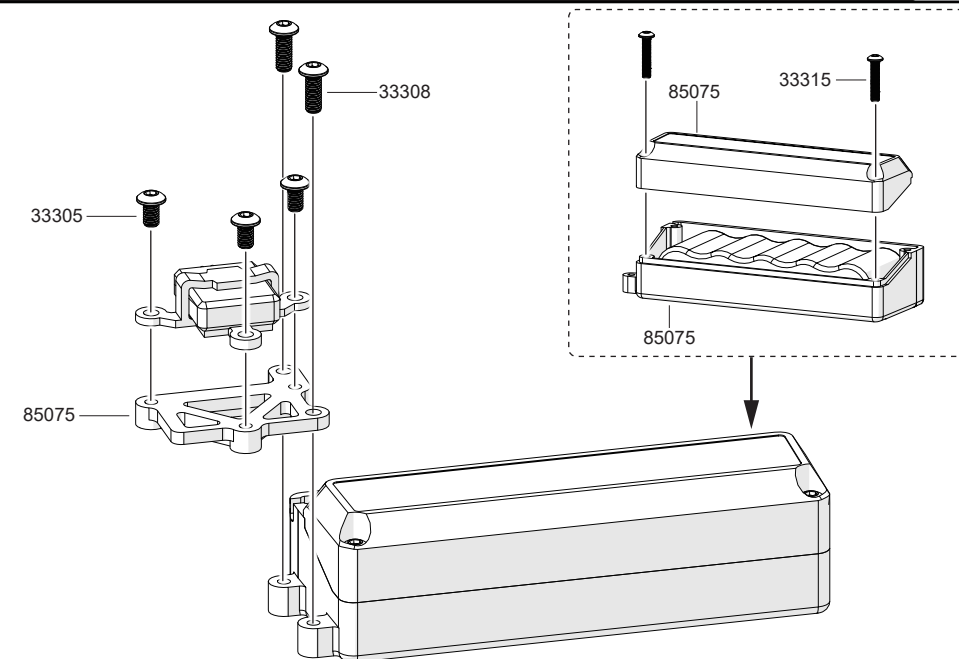
Side Guard Assembly



Receiver Box And Switch Assembly



Battery Box Assembly

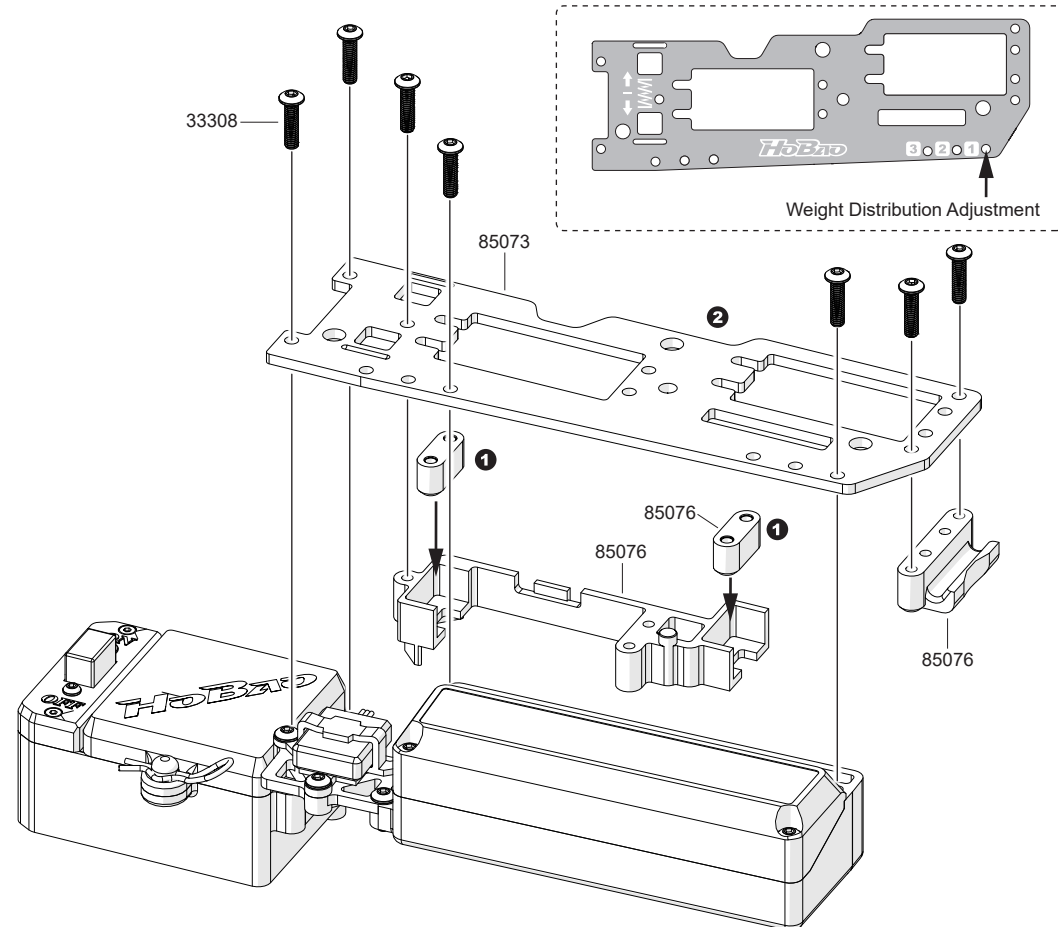


34



33308
M3x8 x2
B/H Screw

CNC Alum Servo Tray With Mount And Battery Box Assembly



35



35208
M2x8 x2
B/H Screw



33308
M3x8 x1
B/H Screw



33312
M3x12 x8
B/H Screw



31310
M3x10 x1
F/H Screw

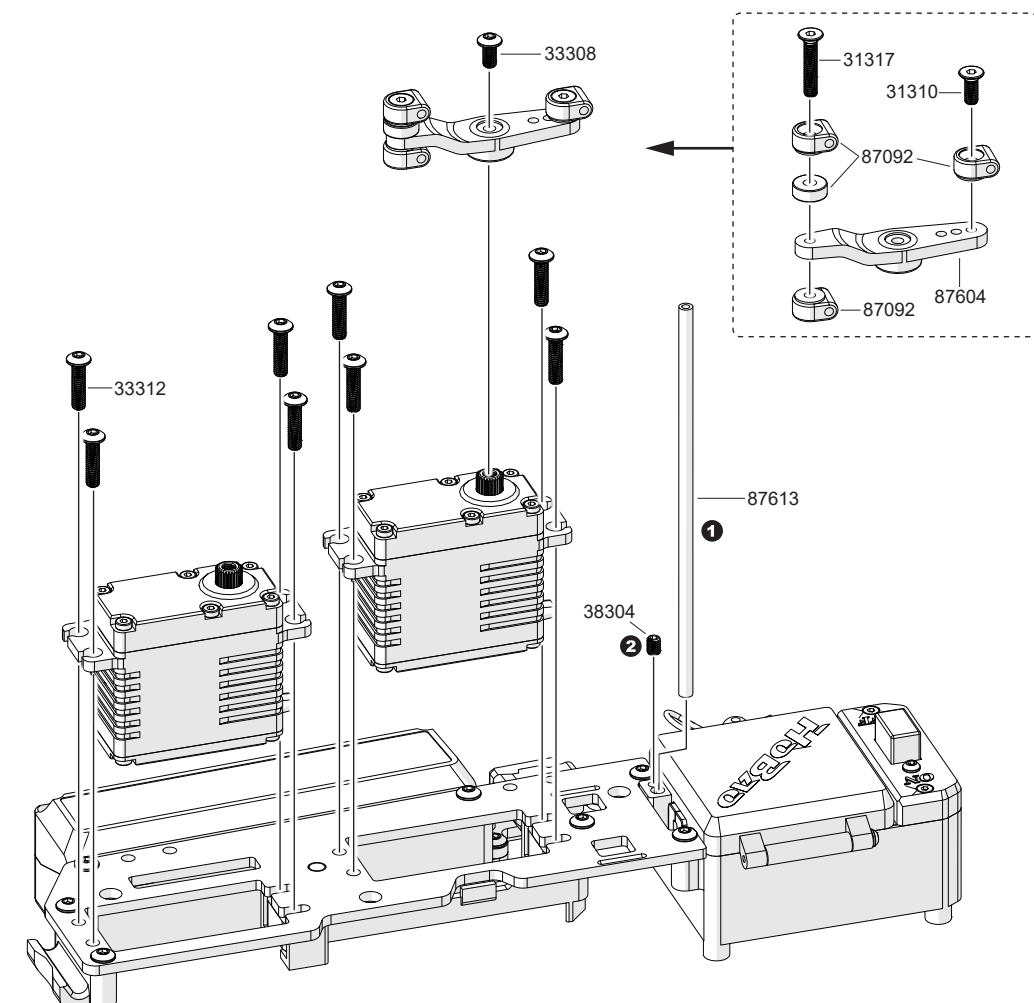


31317
M3x17 x1
F/H Screw



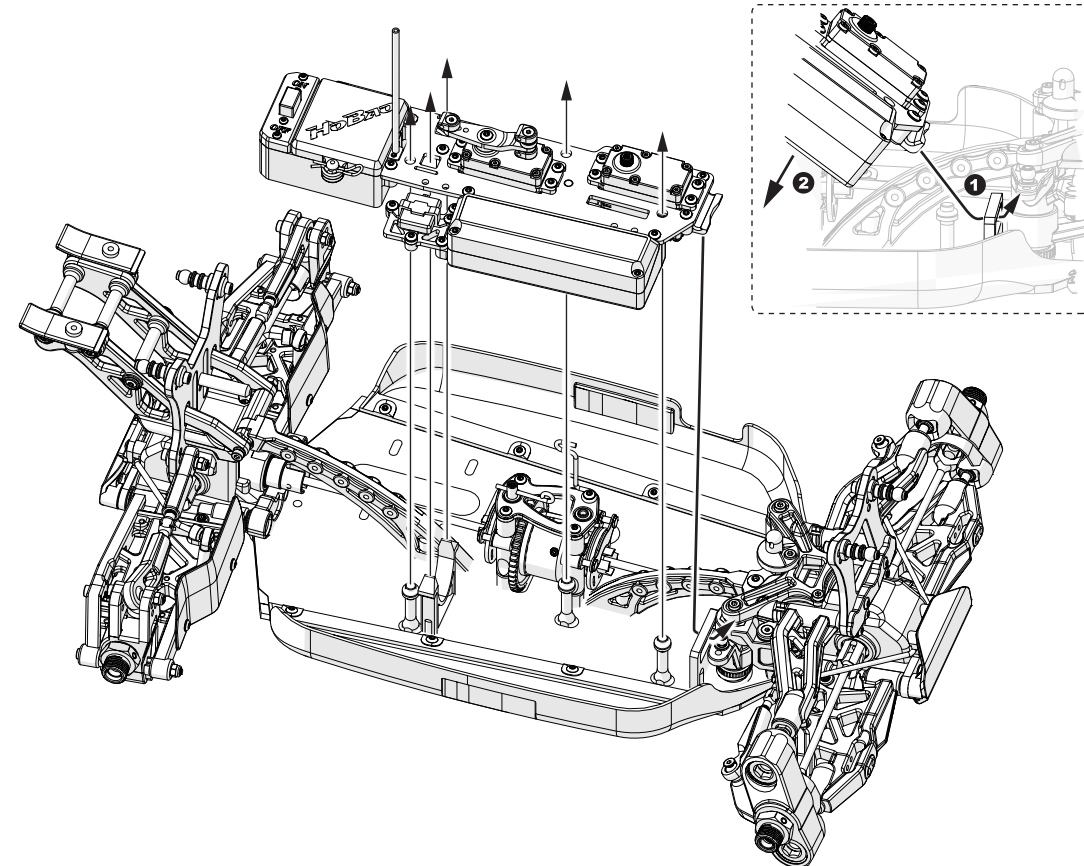
38304
M3x4 x1
Set Screw

Servo Horn And Mounting Holder Assembly



36

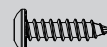
Servo Tray Assembly



37



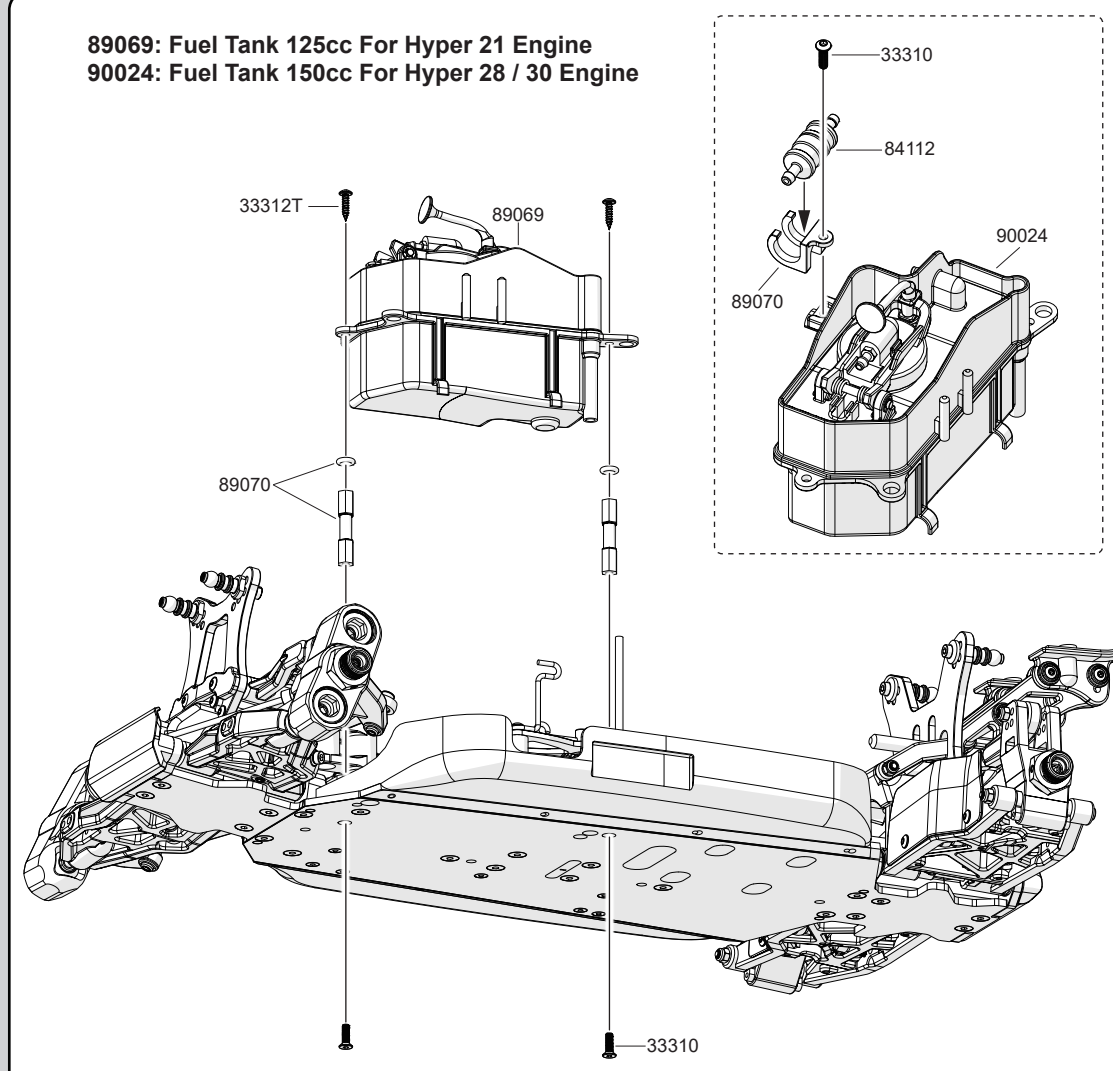
33310
M3x10 x3
B/H Screw



33312T
M3x12 x2
B/H Tap Screw

Fuel Tank Assembly

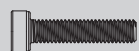
89069: Fuel Tank 125cc For Hyper 21 Engine
90024: Fuel Tank 150cc For Hyper 28 / 30 Engine



38



32308
M3x8 x1
Cap Screw



32314
M3x14 x4
Cap Screw



84187W
3.1x6x0.5mm
Washer



84187W
5.1x8x0.25mm
Washer

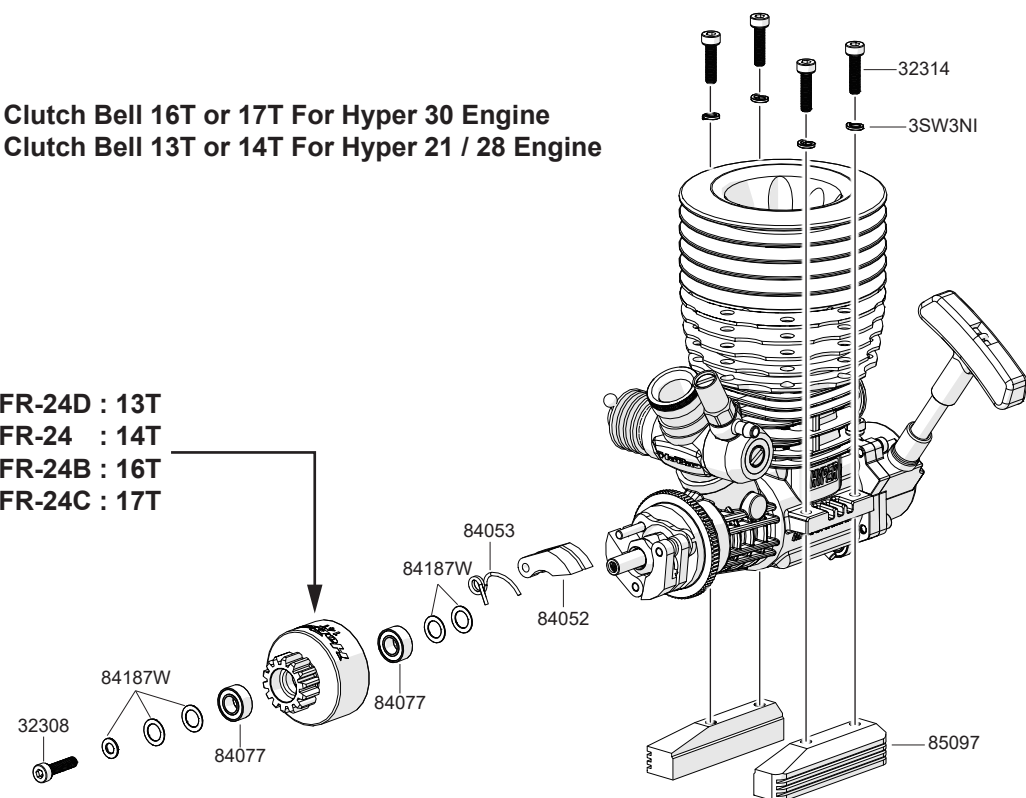


84077
5x10x4mm x2
Ball Bearing

Engine Mount And Clutch Assembly

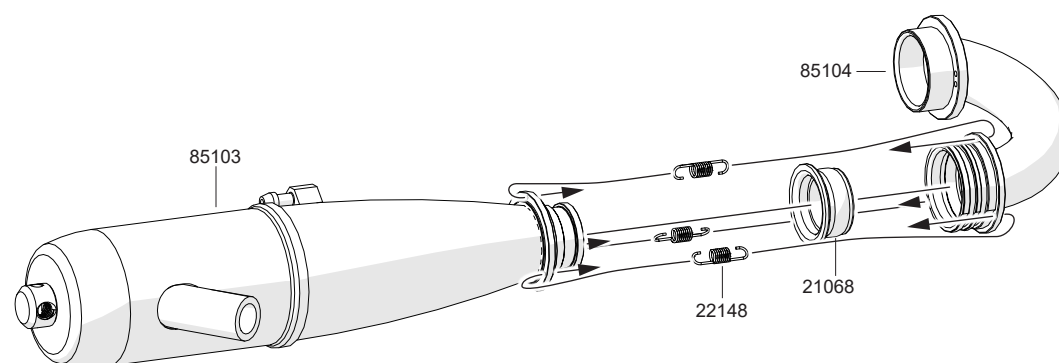
Clutch Bell 16T or 17T For Hyper 30 Engine
Clutch Bell 13T or 14T For Hyper 21 / 28 Engine

FR-24D : 13T
FR-24 : 14T
FR-24B : 16T
FR-24C : 17T



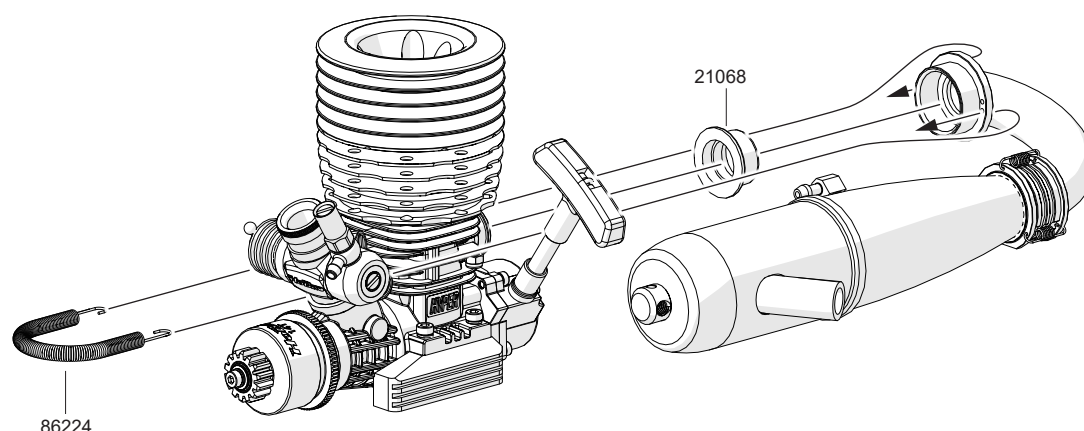
39

In-Line Muffler And Manifold Assembly 1



40

In-Line Muffler And Manifold Assembly 2



41



39408
M4x8 x1
Engine Screw

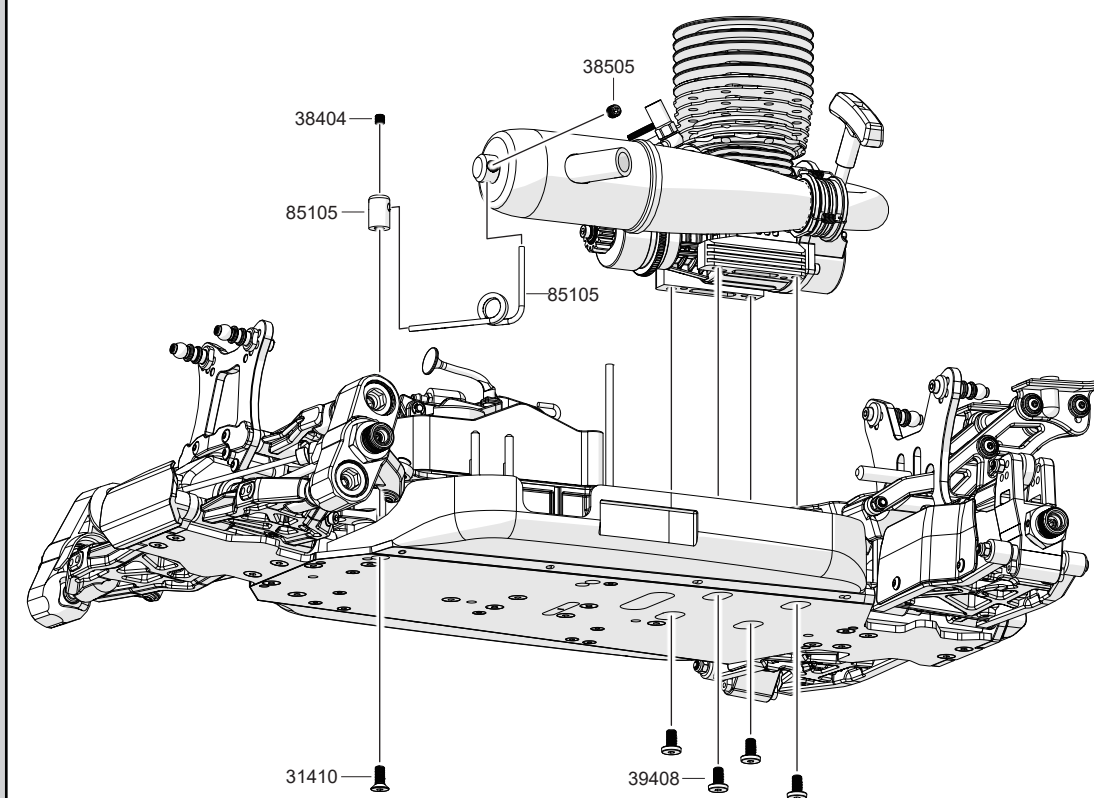


38404
M4x4 x1
Set Screw



38505
M5x5 x1
Set Screw

Engine Mount And Exhaust System Assembly

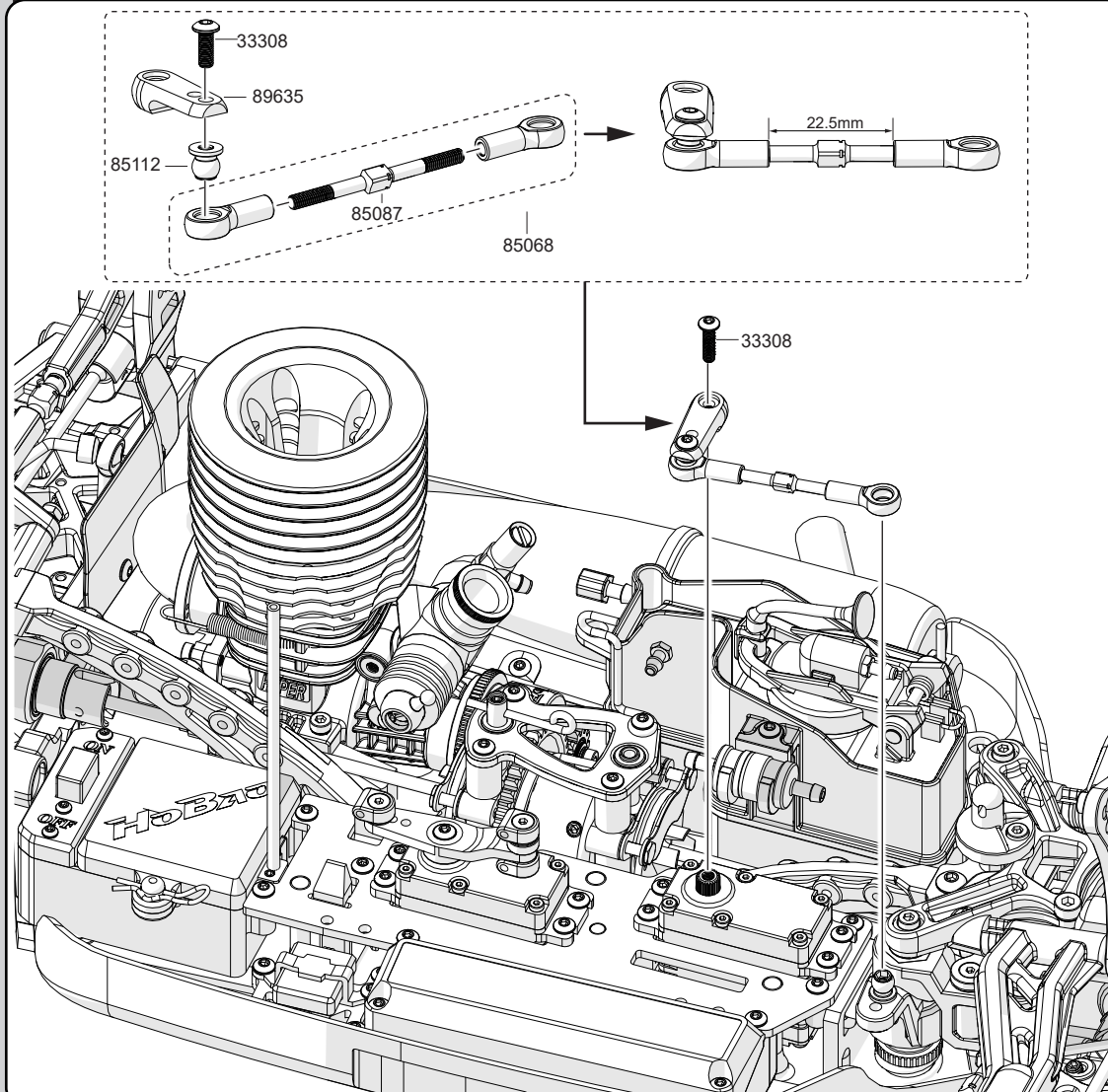


42



33308
M3x8 x2
B/H Screw

Steering Linkage Assembly

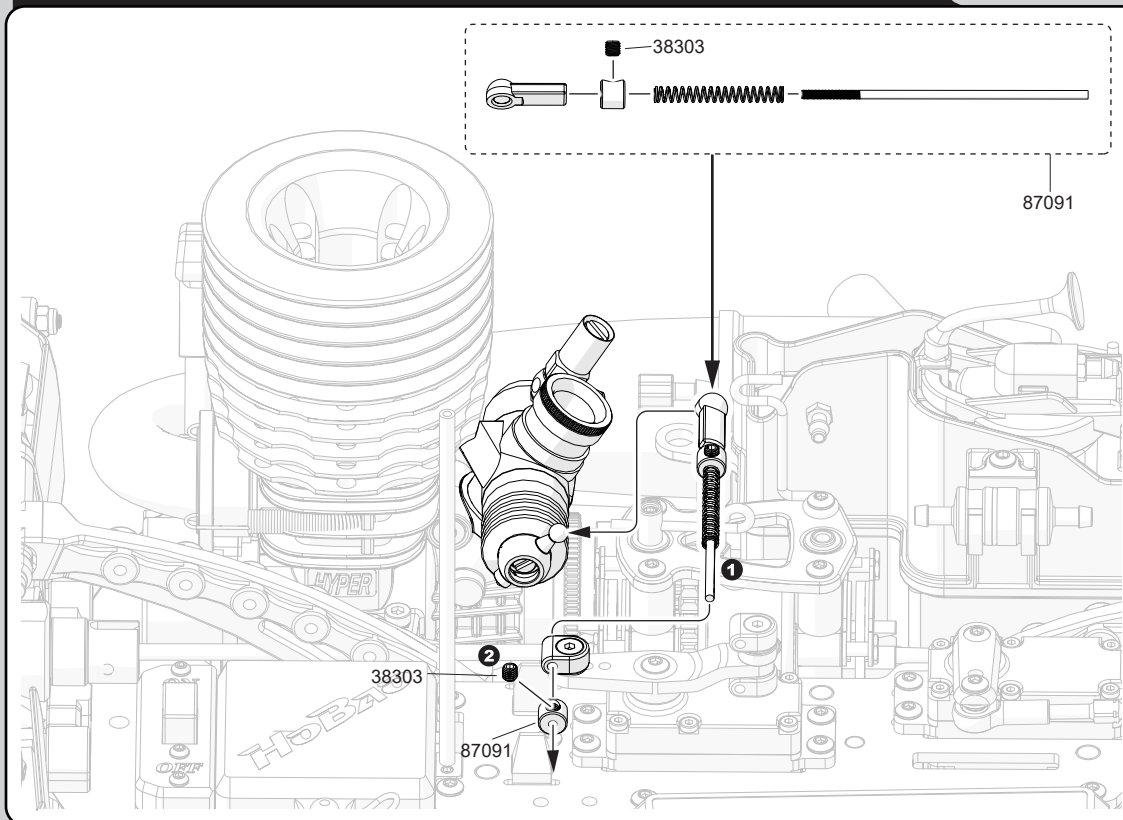


43



38303
M3x3 x2
Set Screw

Throttle Linkage Assembly

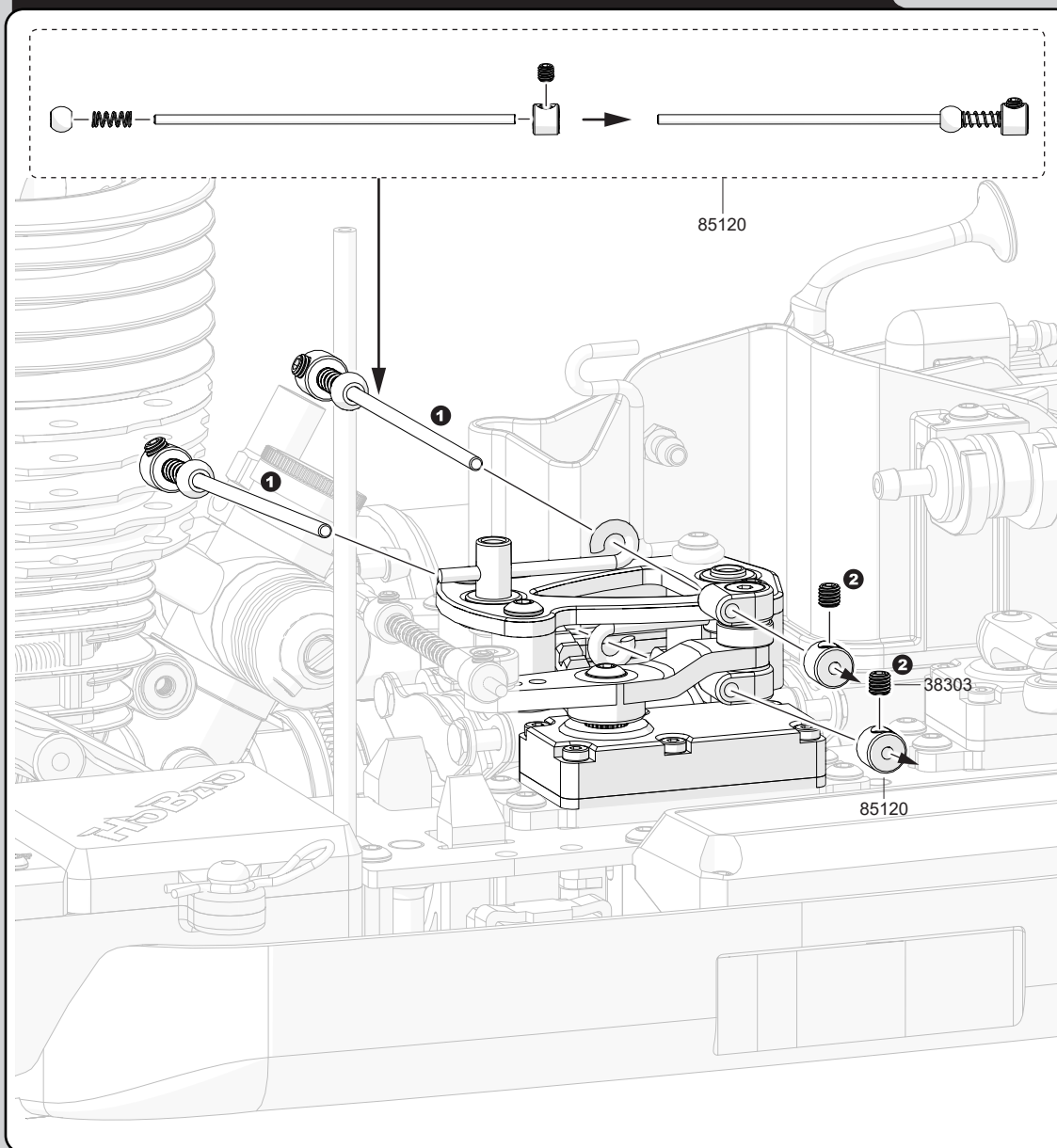


44



38303
M3x3 x4
Set Screw

Steering And Brake Linkage Assembly

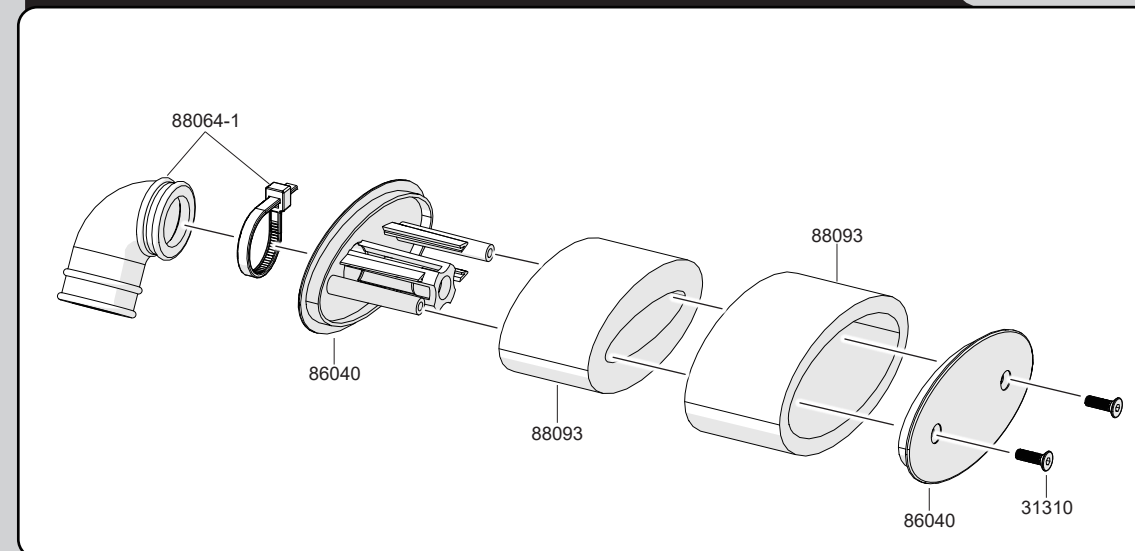


45



31310
M3x10 x2
F/H Screw

Air Filter Assembly

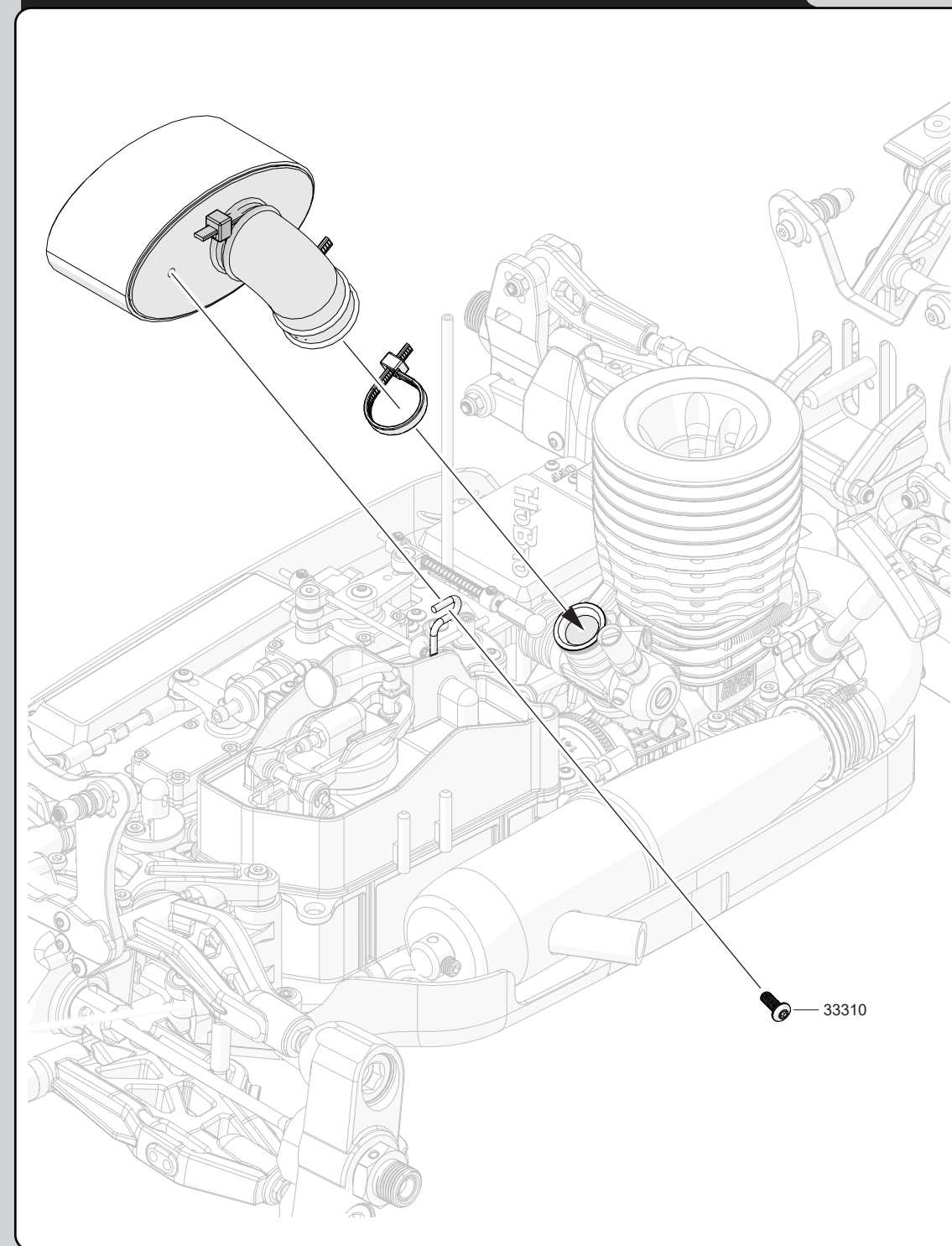


46



33310
M3x10 x1
B/H Screw

Air Filter And Holder Assembly





90030
M2.6 Nut x4



90030
3.1x7x0.25mm x4
Washer



90036
O-Ring Shield



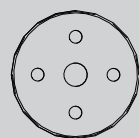
90036
4x8mm x8
O-Ring



90036
4.05x7.98x1.2mm x4
Washer



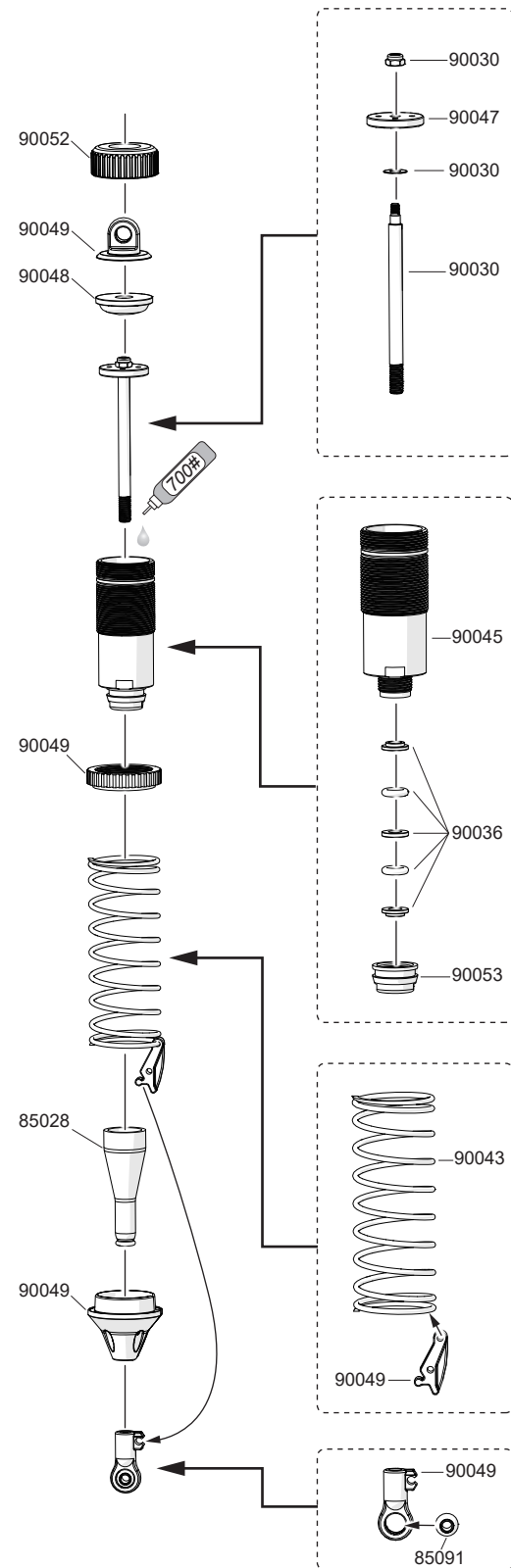
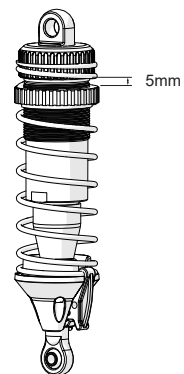
30004
6.8mm x4
Ball



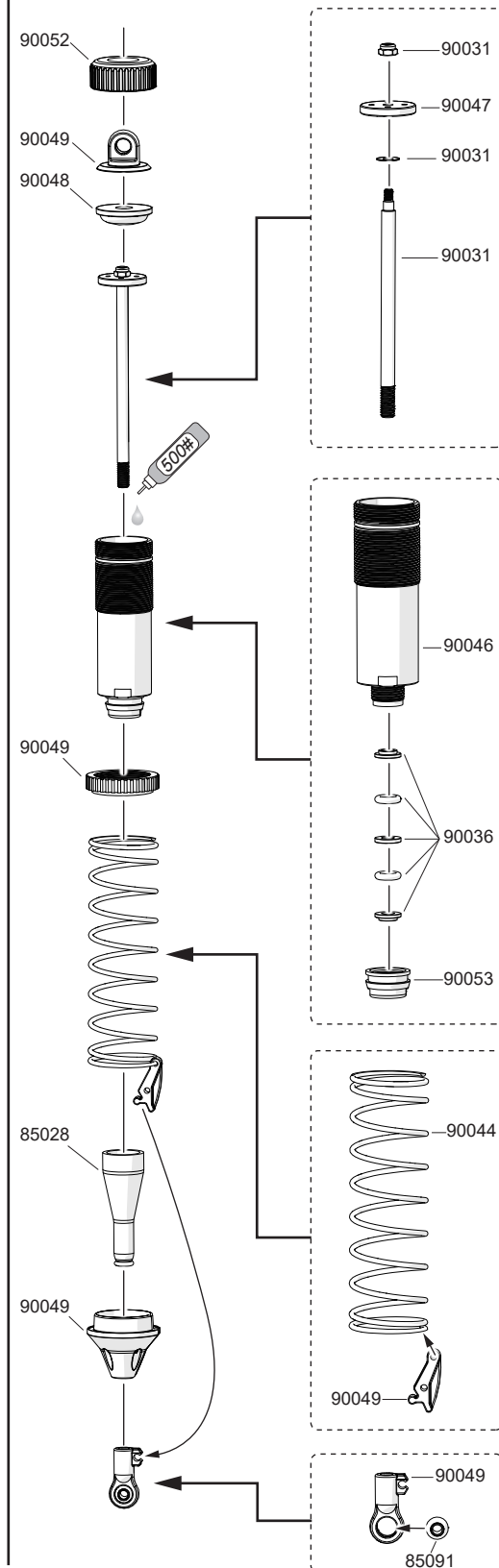
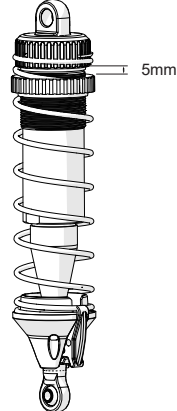
90047
3x17x2.4mm

Front / Rear Shock Absorber Assembly

Front Shock Set No. 90055

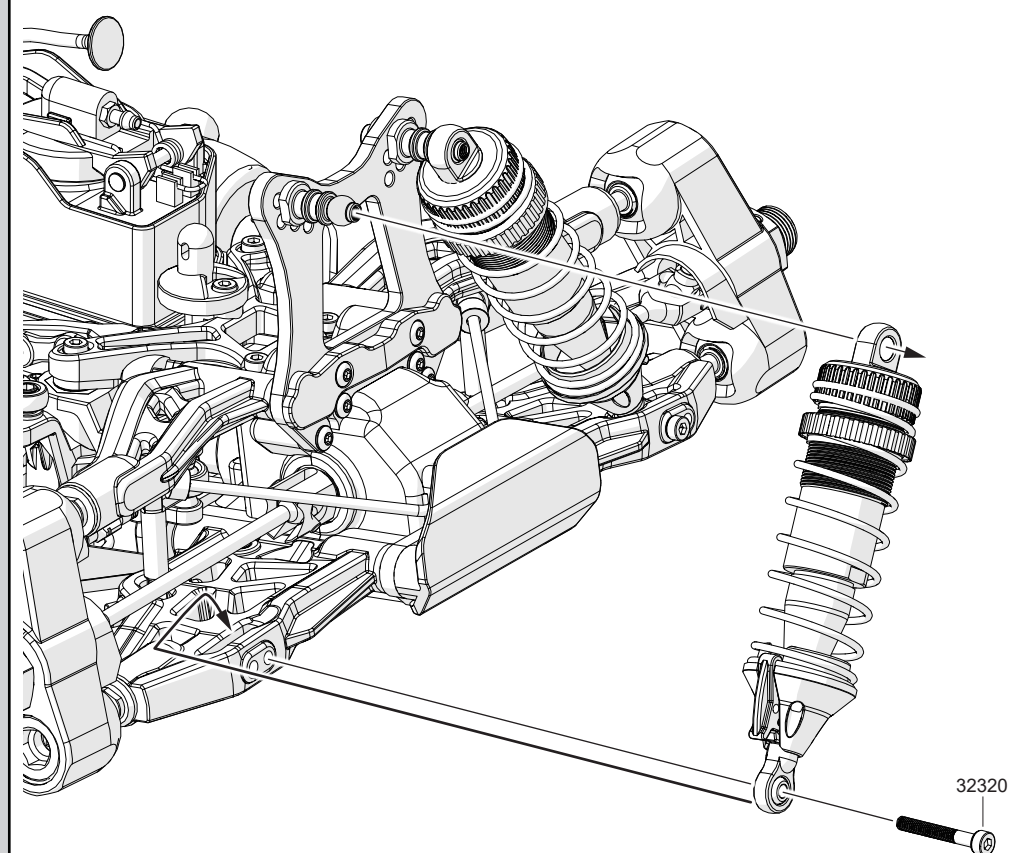


Rear Shock Set No. 90056



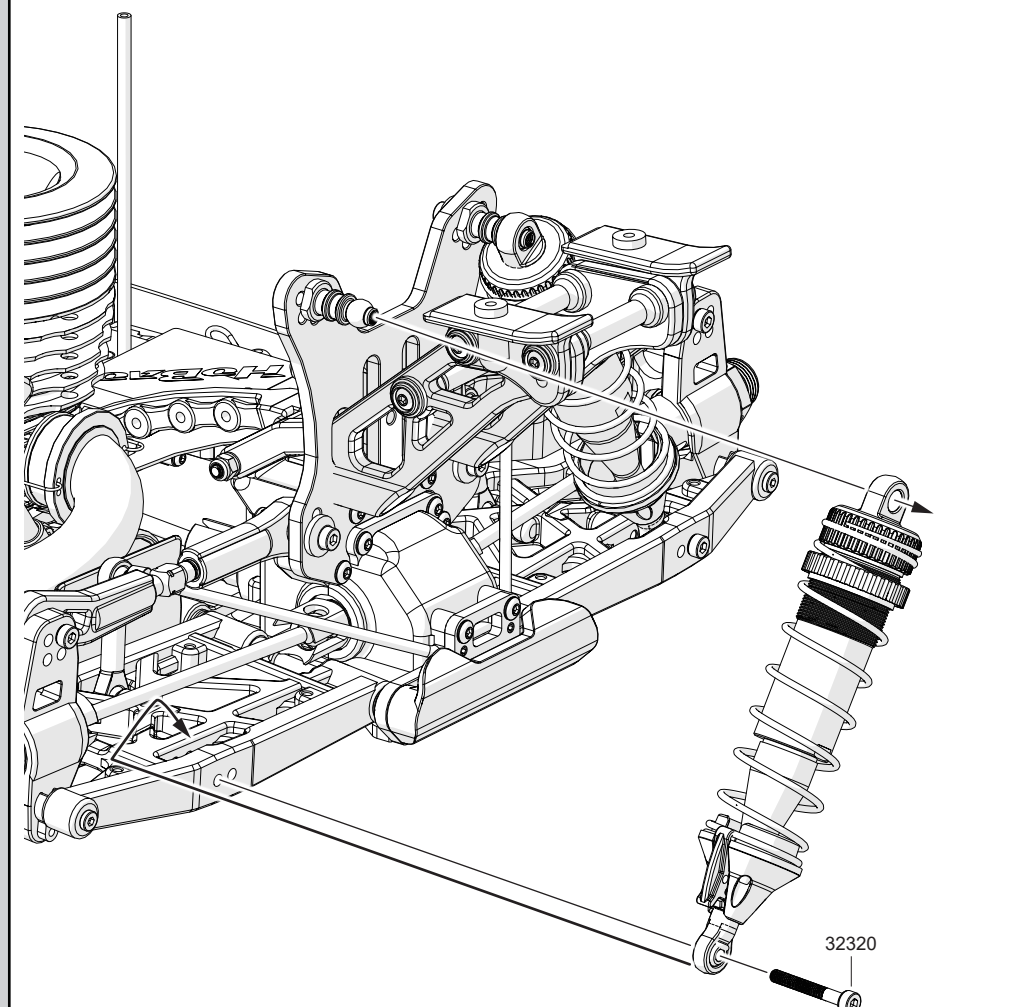
32320
M3x20 x2
Cap Screw

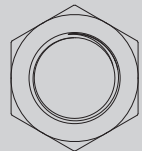
Front Shock Assembly



32320
M3x20 x2
Cap Screw

Rear Shock Assembly

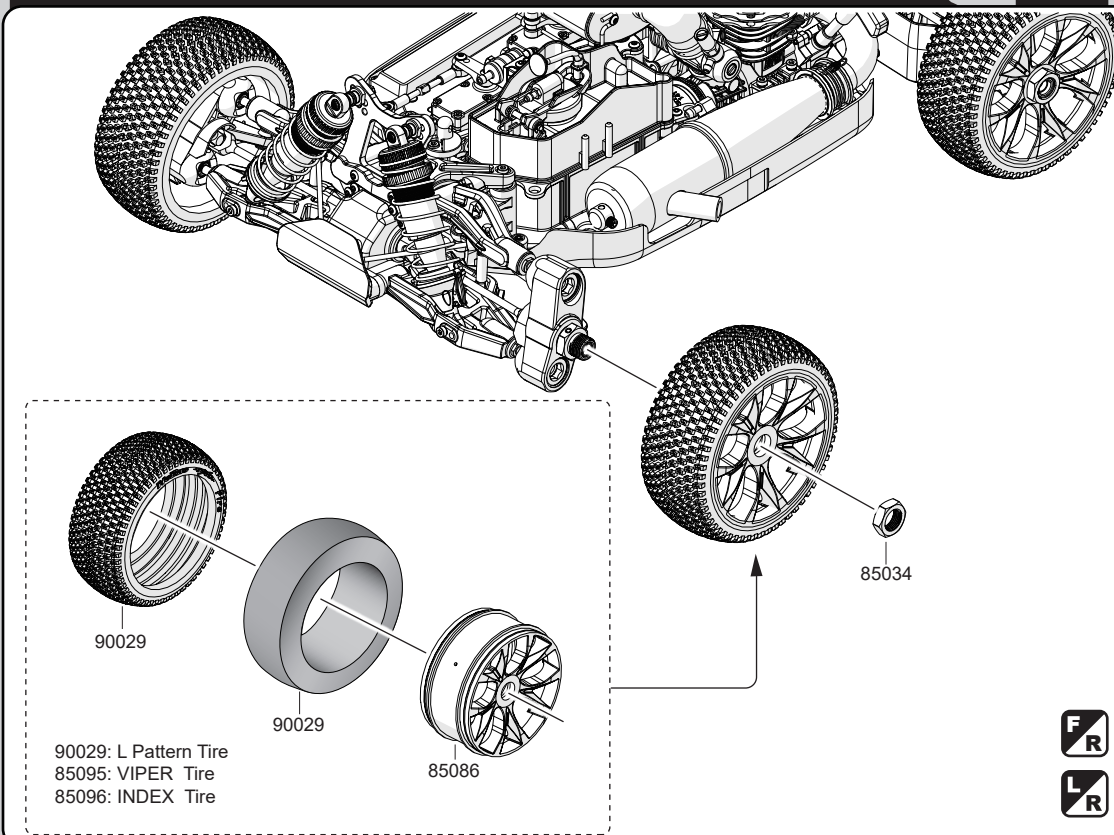




85034
Wheel Hex Nut x4

Tire Assembly

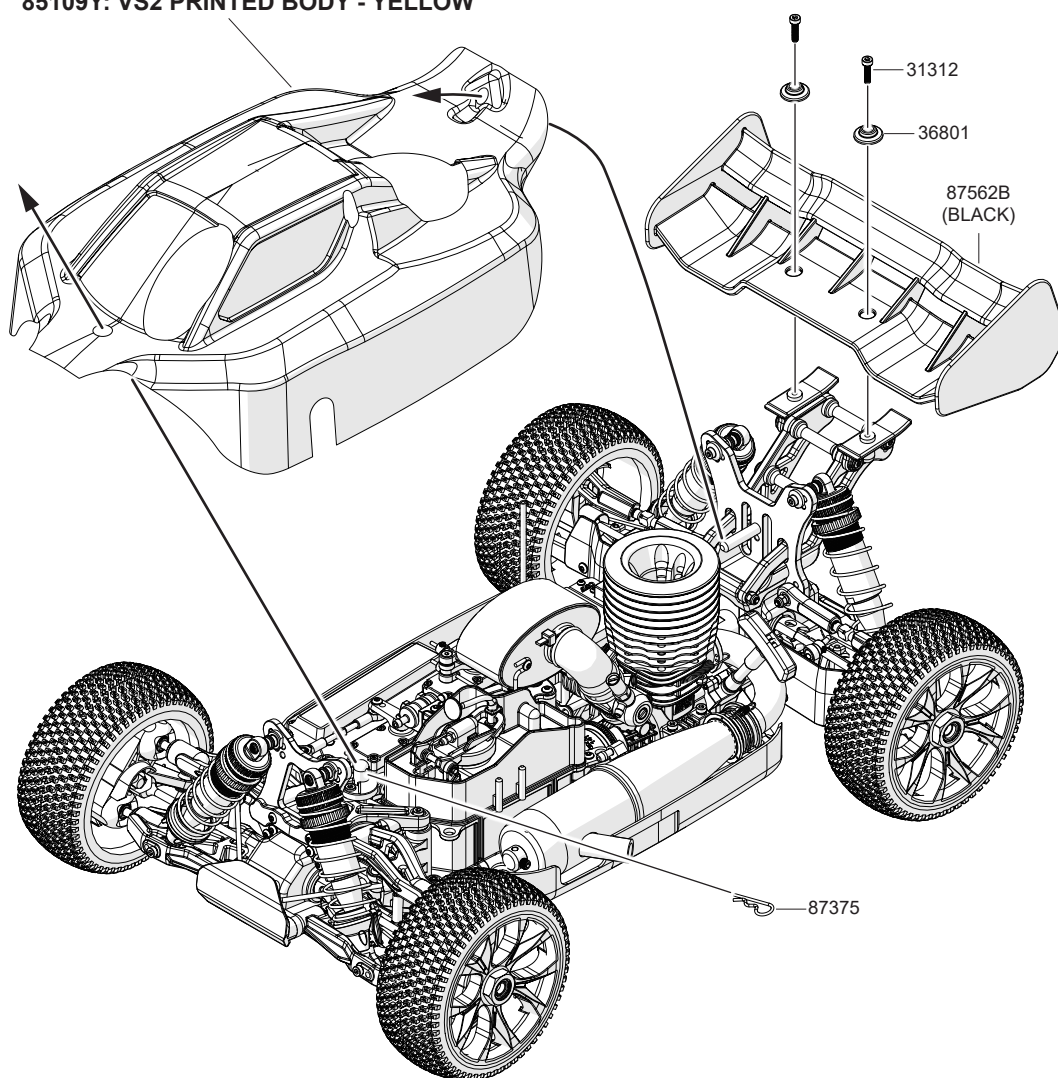
x4



32312
M3x12 x2
Cap Screw

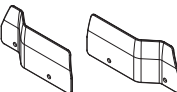
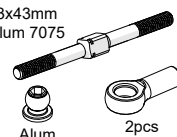
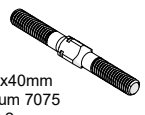
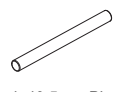
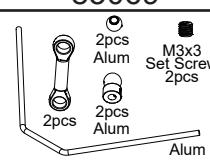
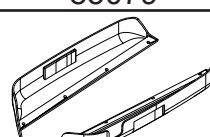
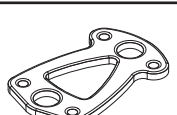
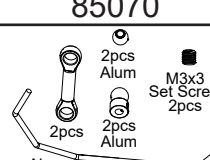
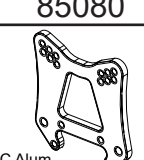
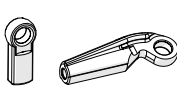
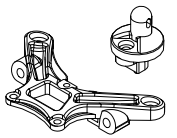
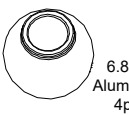
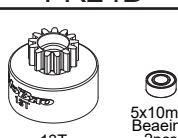
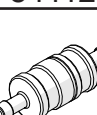
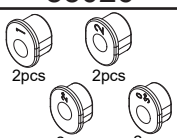
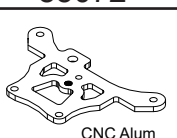
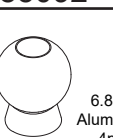
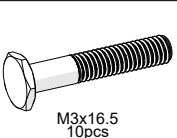
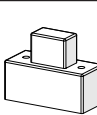
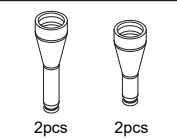
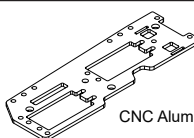
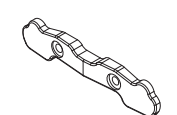
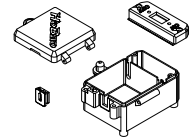
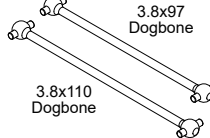
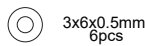
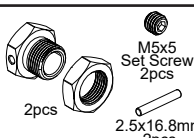
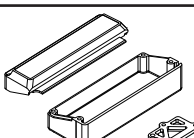
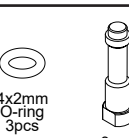
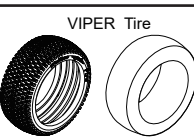
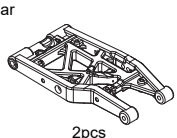
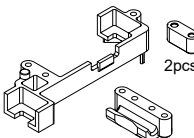
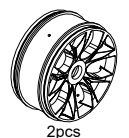
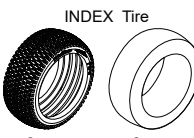
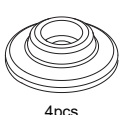
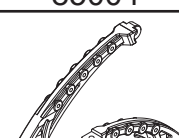
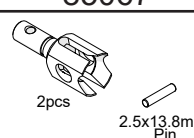
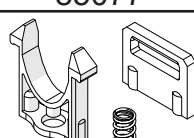
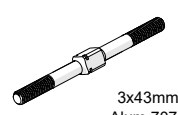
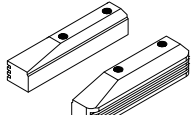
Body And Wing Assembly

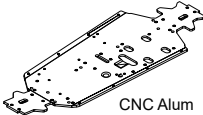
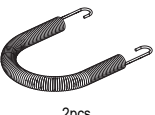
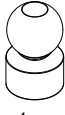
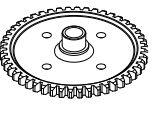
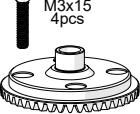
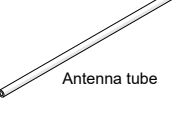
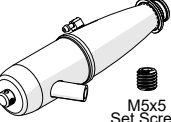
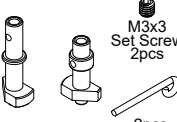
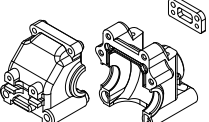
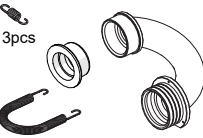
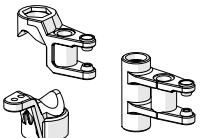
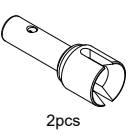
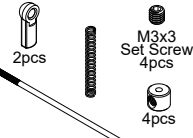
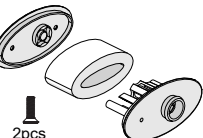
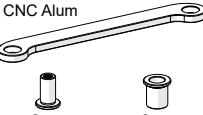
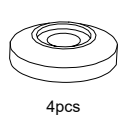
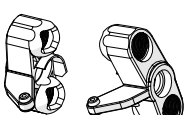
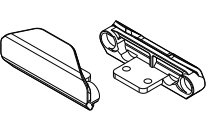
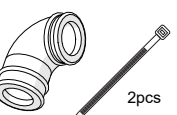
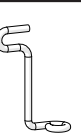
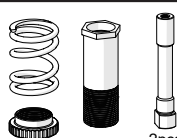
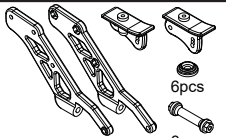
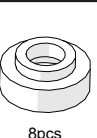
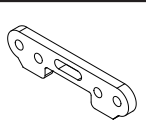
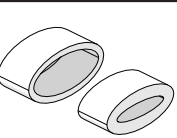
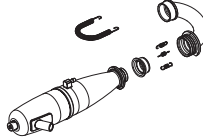
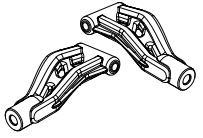
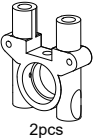
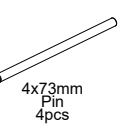
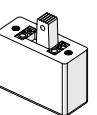
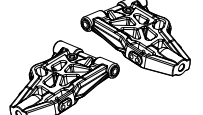
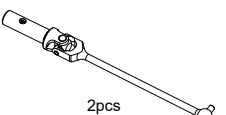
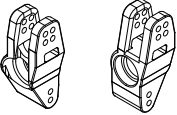
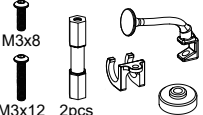
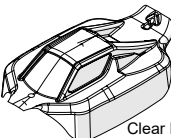
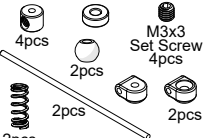
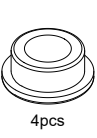
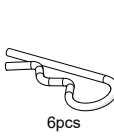
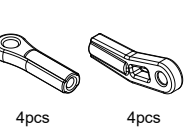
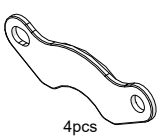
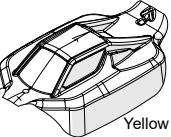
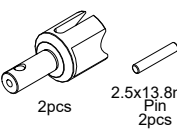
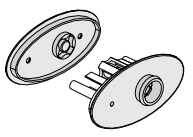
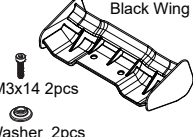
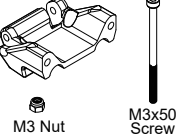
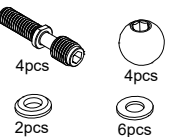
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85109Y: VS2 PRINTED BODY - YELLOW

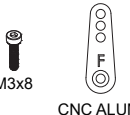
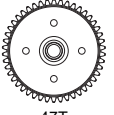
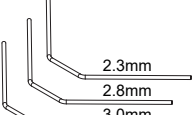
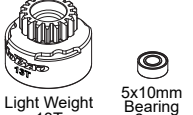
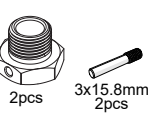
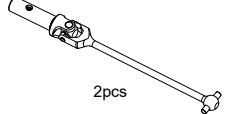
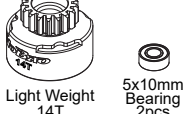
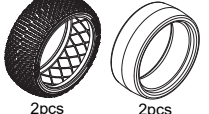
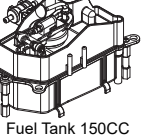
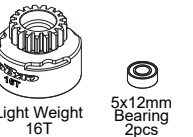
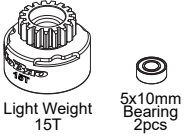
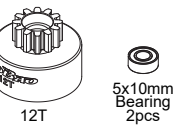
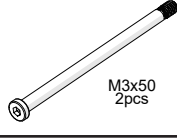
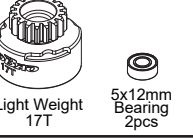
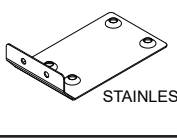
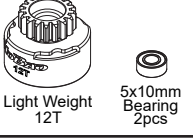
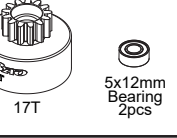
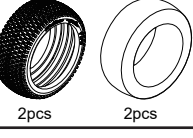
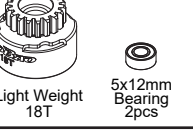
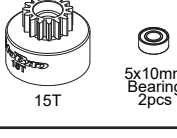
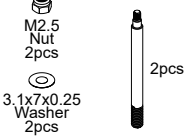
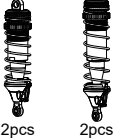
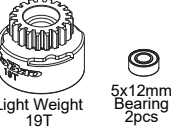
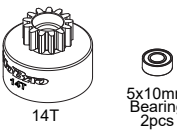
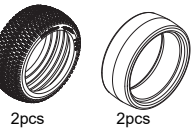
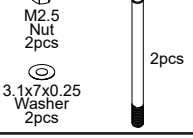
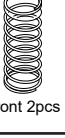
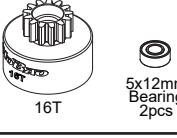
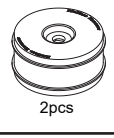
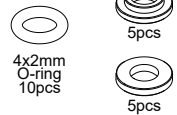
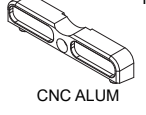
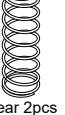
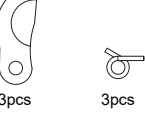
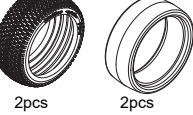
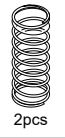
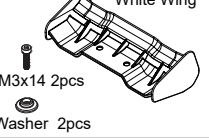
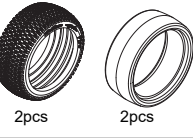
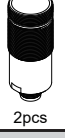
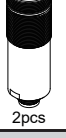
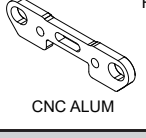
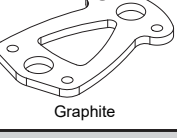
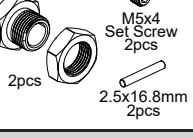


HYPER VS2

Nitro PARTS LIST

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22148  3pcs	84053  5pcs	85011  2pcs	85069  2pcs	85079  2pcs	85089  2pcs
224044  2pcs	84076  4pcs	85018  2pcs	85070  2pcs	85080  4pcs	85090  4pcs
3SW3NI  3x5x2mm 10pcs	84077  4pcs	84078  4pcs	85022  2pcs	85071  2pcs	85091  4pcs
FR24D  13T	84112  2pcs	85026  2pcs	85072  2pcs	85082  2pcs	85092  4pcs
34316  10pcs	84133  2pcs	85028  2pcs	85073  2pcs	85083  2pcs	85093  4pcs
36001  4pcs	84134  6pcs	85031  2pcs	85074  2pcs	85084  2pcs	85094  4pcs
36101  10pcs	84187W  6pcs	85034  2pcs	85075  3pcs	85085  3pcs	85095  2pcs
36113  2pcs	85002  2pcs	85066  2pcs	85076  2pcs	85086  2pcs	85096  2pcs
36801  4pcs	85004  2pcs	85067  2pcs	85077  2pcs	85087  2pcs	85097  2pcs

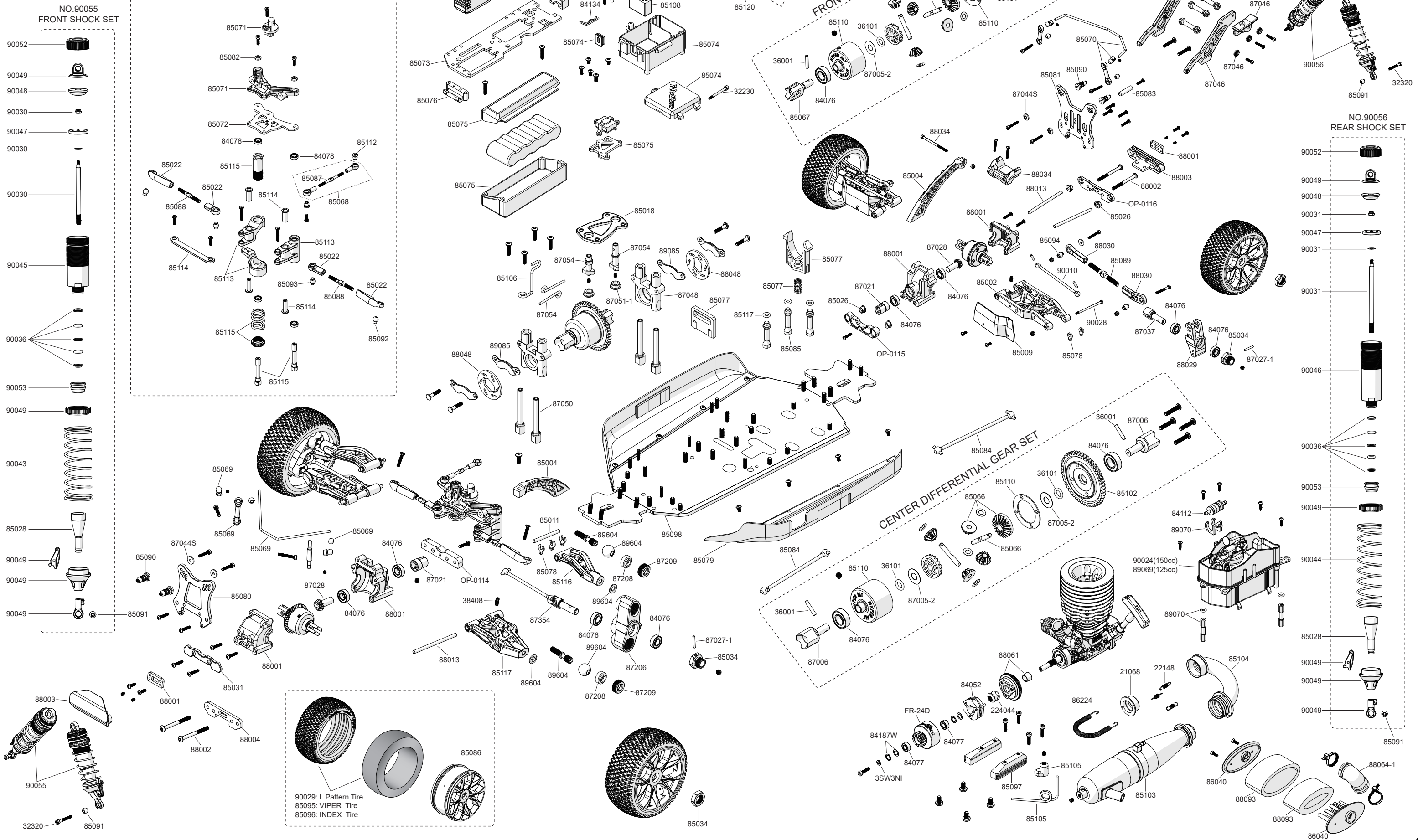
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85102  2pcs	85111  M3x15 4pcs	87027-1  2.5x16.8mm Pin 4pcs	87005-2  6.1x13.9x0.15 Washer 6pcs	87613  Antenna tube	88048  2pcs
85103  M5x5 Set Screw	85112  5.8mm Alum 7075 4pcs	87028  2pcs	87054  M3x3 Set Screw 2pcs	88001  2pcs	88061  2pcs
85104  3pcs	85113  2pcs	87037  2pcs	87091  2pcs M3x3 Set Screw 4pcs	88002  M4x47 Screw 4pcs	88062  2pcs
85105  M4x4 Set Screw	85114  CNC Alum 2pcs 2pcs	87044S  4pcs	87206  2pcs	88003  2pcs	88064-1  2pcs
85106  2pcs	85115  2pcs	87046  6pcs 3pcs	87208  8pcs	88004  2pcs	88093  2pcs
85107  2pcs	85116  2pcs	87048  2pcs	87209  4pcs	88013  4x73mm Pin 4pcs	89069  Fuel Tank 125CC
85108  2pcs	85117  2pcs	87050  4pcs	87354  2pcs	88029  2pcs	89070  M3x8 2pcs M3x12 2pcs 2pcs 4pcs
85109  Clear Body	85120  4pcs 2pcs 2pcs 2pcs	87051-1  4pcs	87375  6pcs	88030  4pcs 4pcs	89085  4pcs
85109Y  Yellow Body	87006  2pcs 2.5x13.8mm Pin 2pcs	86040  2pcs	87562B  M3x14 2pcs Washer 2pcs	88034  M3 Nut M3x50 Screw	89604  4pcs 4pcs 2pcs 6pcs

OPTIONAL PARTS					
89635  M3x8 CNC ALUM	90047  4pcs	OP-0007  47T	OP-0110  2.3mm 2.8mm 3.0mm	88231  Light Weight 13T 5x10mm Bearing 2pcs	94071  2pcs 3x15.8mm 2pcs
90010  3.8x97 Dogbone 2pcs	90048  4pcs	OP-0009  2pcs	OP-0117  CNC ALUM RR 0.5"	88232  Light Weight 14T 5x10mm Bearing 2pcs	BT-101  2pcs 2pcs
90024  Fuel Tank 150CC	90049  4pcs 4pcs 4pcs 4pcs	OP-0015  Light Weight 16T 5x12mm Bearing 2pcs	OP-0118  CNC ALUM RR 0.75"	88233  Light Weight 15T 5x10mm Bearing 2pcs	FR-24E  12T 5x10mm Bearing 2pcs
90028  M3x50 2pcs	90052  2pcs	OP-0016  Light Weight 17T 5x12mm Bearing 2pcs	OP-0122  STAINLESS	88255  Light Weight 12T 5x10mm Bearing 2pcs	FR-24C  17T 5x12mm Bearing 2pcs
90029  L Pattern Tire 2pcs 2pcs	90053  2pcs	OP-0017  Light Weight 18T 5x12mm Bearing 2pcs	FR-24A  15T 5x10mm Bearing 2pcs	89147  CNC ALUM	
90030  M2.5 Nut 2pcs 3.1x7x0.25 Washer 2pcs	90054  2pcs 2pcs	OP-0018  Light Weight 19T 5x12mm Bearing 2pcs	FR-24  14T 5x10mm Bearing 2pcs	89154  2pcs 2pcs	
90031  M2.5 Nut 2pcs 3.1x7x0.25 Washer 2pcs	90055  2pcs	90056  2pcs	OP-0045  Front 2pcs	FR-24B  16T 5x12mm Bearing 2pcs	89170B/Y  2pcs
90036  4x2mm O-ring 10pcs	OP-0114  FR CNC ALUM	OP-0046  Rear 2pcs	86121  3pcs 3pcs	89171S  2pcs 2pcs	
90043  2pcs	90044  2pcs	OP-0115  CNC ALUM	OP-0070  5x12mm Bearing 2pcs	87562  White Wing M3x14 2pcs Washer 2pcs	89172S  2pcs 2pcs
90045  2pcs	90046  2pcs	OP-0116  RR CNC ALUM	OP-0107  Graphite	88036  3pcs	94018  2pcs M5x4 Set Screw 2pcs 2.5x16.8mm 2pcs

2526

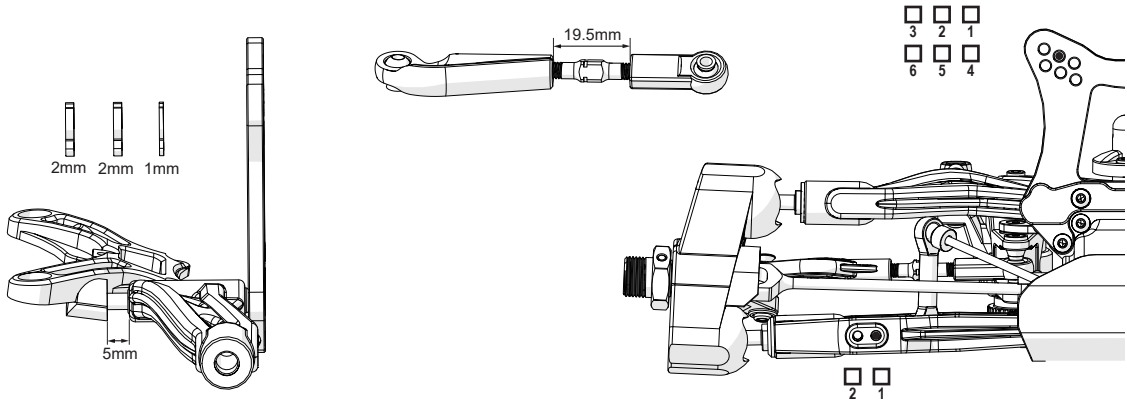
HYPER VS 2

Nitro

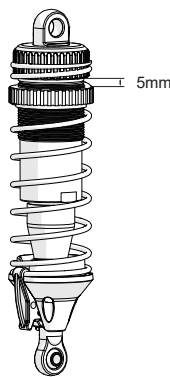


Name:	Date:
Track:	Event:
Note:	

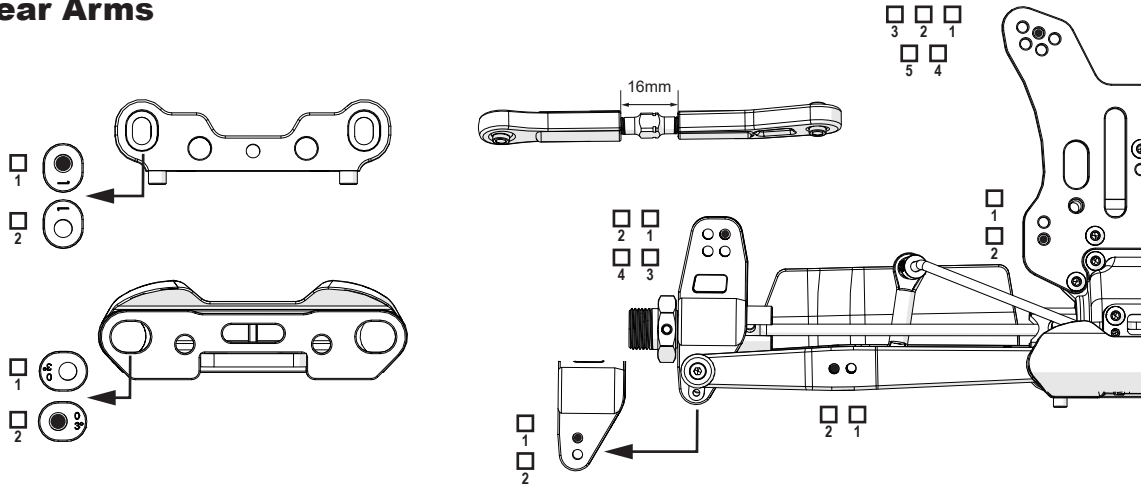
Front Arms



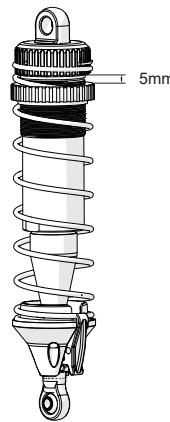
Front Shock



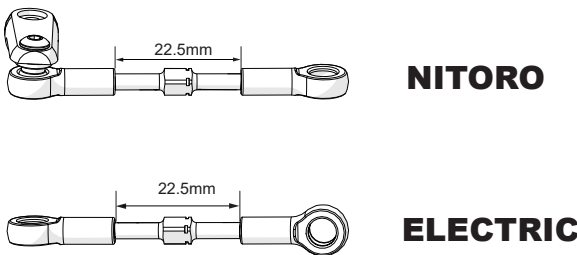
Rear Arms



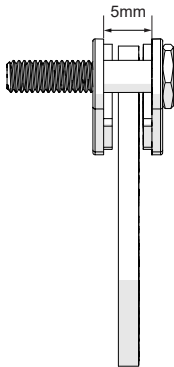
Rear Shock



Servo Linkage Set For Steering

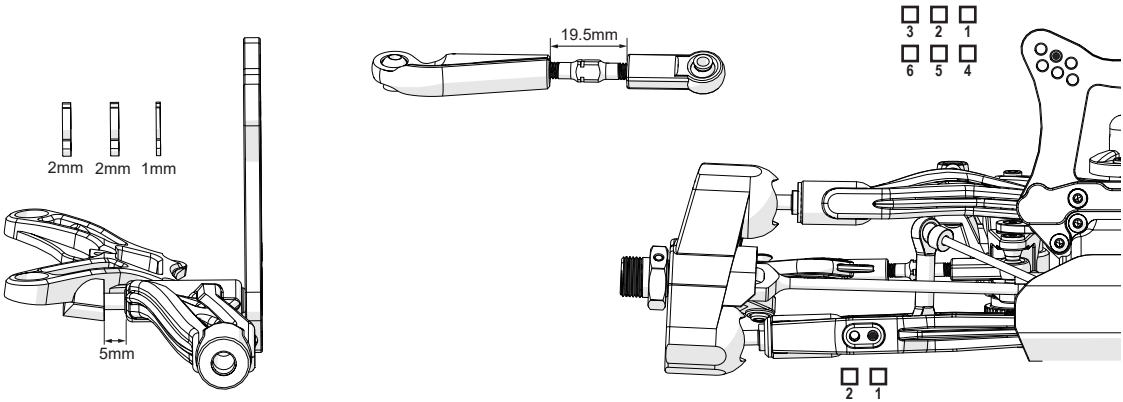


Brake Disc

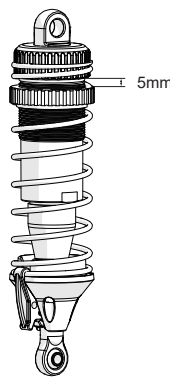


Name:	Date:
Track:	Event:
Note:	

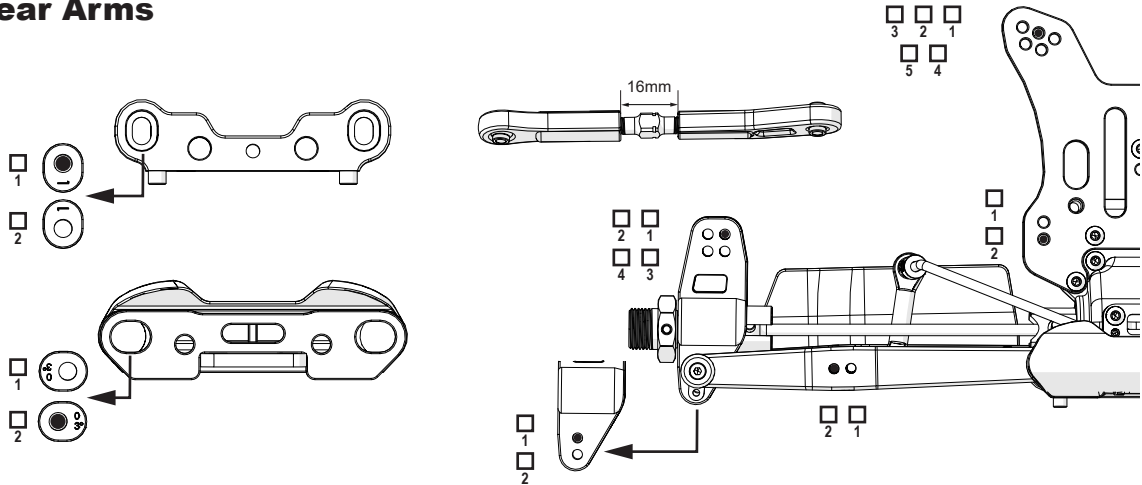
Front Arms



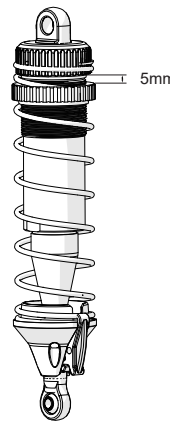
Front Shock



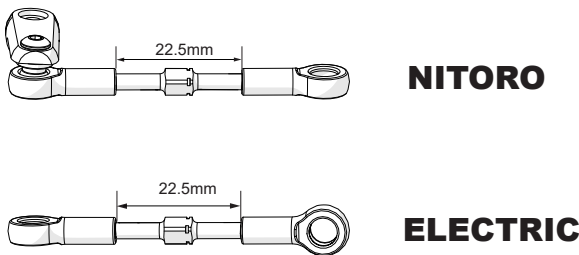
Rear Arms



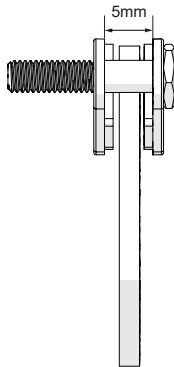
Rear Shock



Servo Linkage Set For Steering

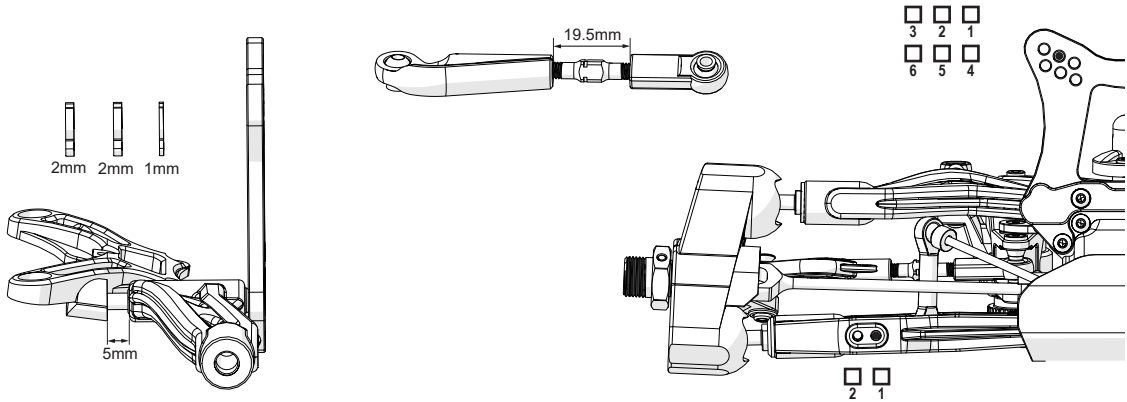


Brake Disc

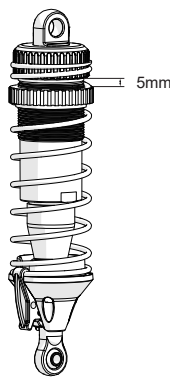


Name:	Date:
Track:	Event:
Note:	

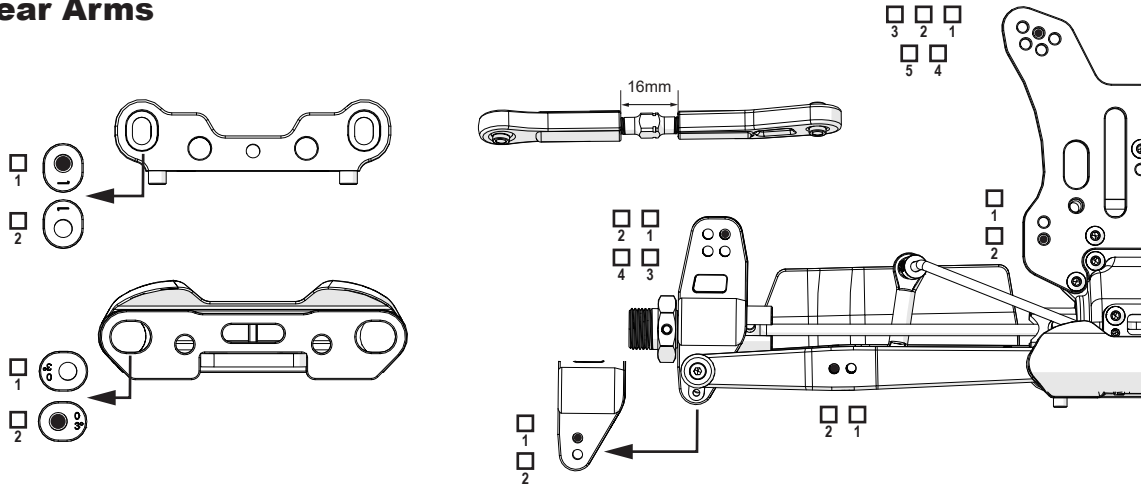
Front Arms



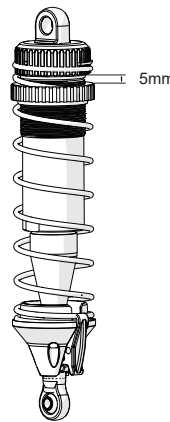
Front Shock



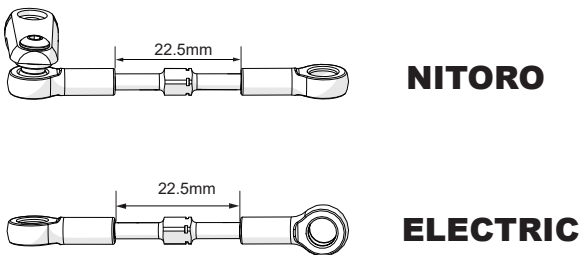
Rear Arms



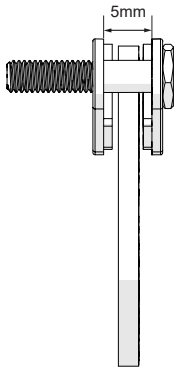
Rear Shock



Servo Linkage Set For Steering

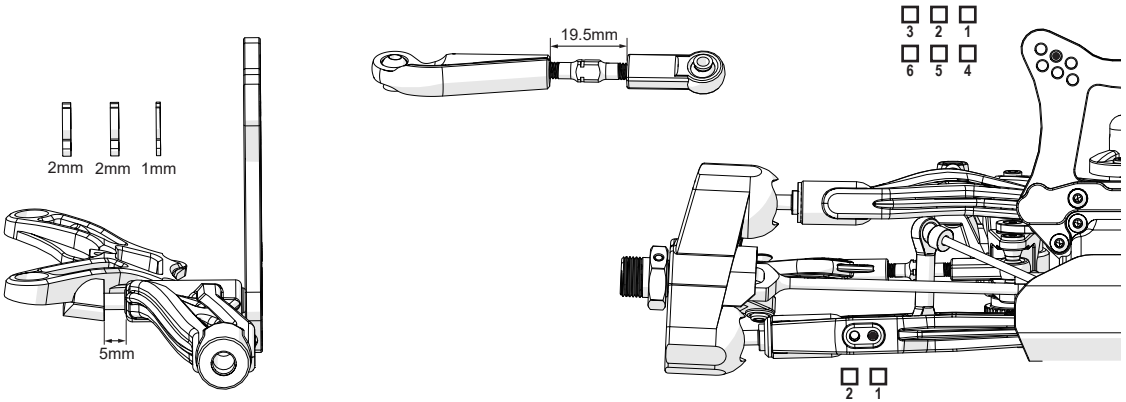


Brake Disc

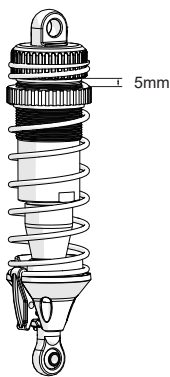


Name:	Date:
Track:	Event:
Note:	

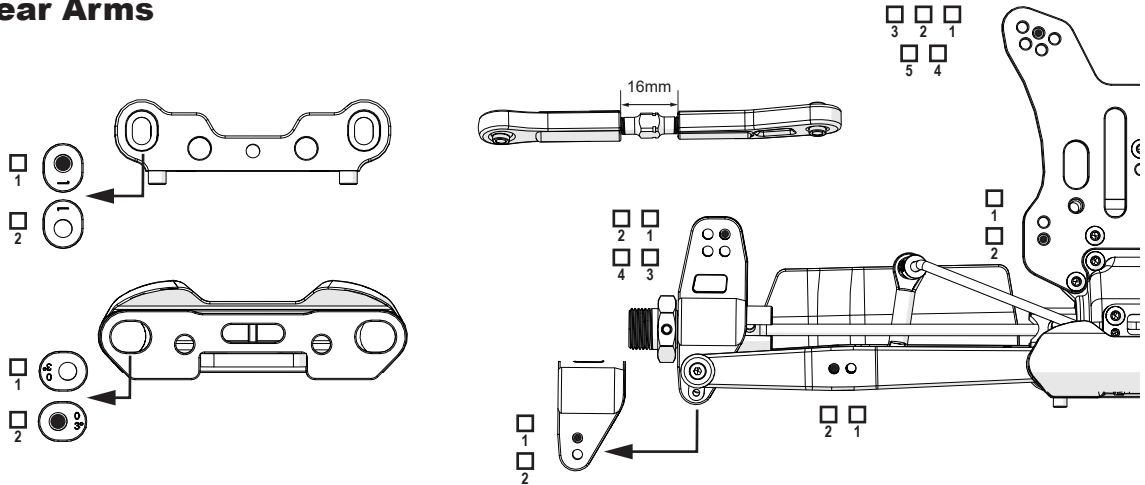
Front Arms



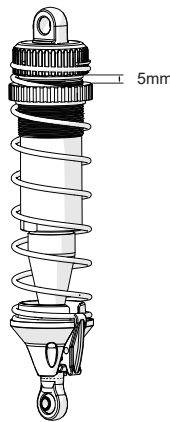
Front Shock



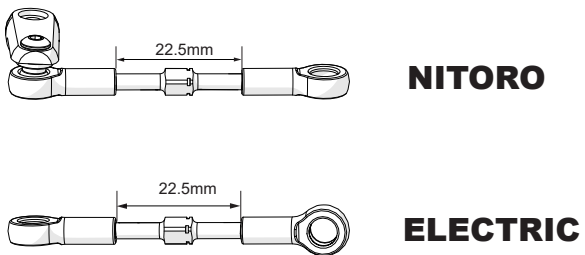
Rear Arms



Rear Shock



Servo Linkage Set For Steering



Brake Disc

