

HYPER VS2

Electric

HoBao

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**RACE
BUGGY**

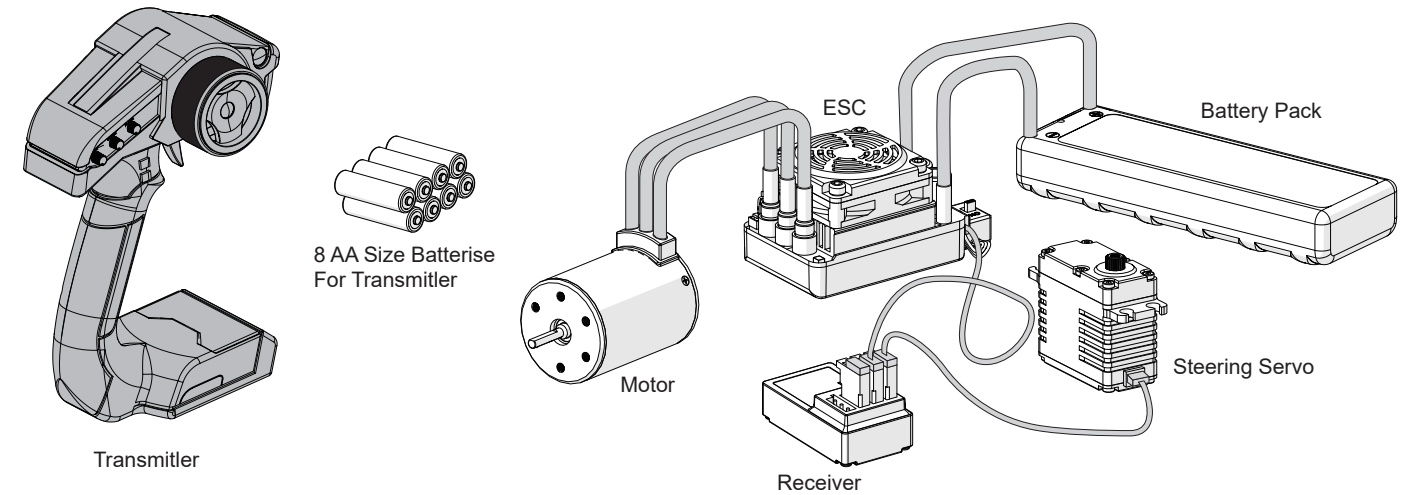
INSTRUCTION MANUAL

Made in Taiwan

HYPER VS2 Electric

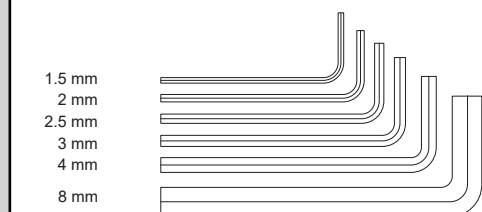
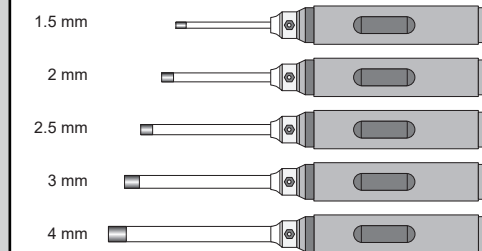
Required

Radio Control Equipment Set

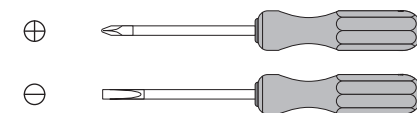


Tools Recommended

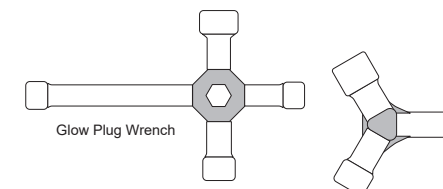
Hex Wrench



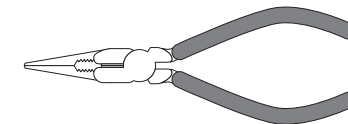
Screwdriver



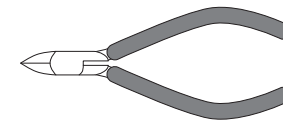
Wrench



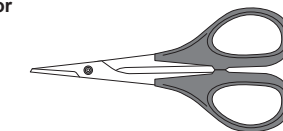
Long Nose Pliers



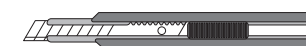
Side Cutter



Curved Scissor



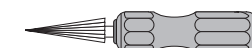
Modeling Knife



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 (85067). Components include washer (85066), washer (87005-2), O-ring (36101), set screw (38404), and shaft (36001).

2

Diagram showing the second axle (85067) being added to the housing. A gear (85111) is also shown being installed.

3

Diagram showing the final assembly with oil being added. Components include washer (85066), washer (87005-2), O-ring (36101), set screw (38404), and shaft (36001).

4

Diagram showing the final assembly with oil being added. Components include washer (85066), washer (87005-2), O-ring (36101), set screw (38404), and shaft (36001).

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 gear box assembly. Components include set screw (38504), B/H screw (33315), ball bearing (84076), and gear (87028).

3

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

Front Pivot Ball Steering And CVA Shaft Assembly

Diagram showing the front pivot ball steering and CVA shaft assembly. Components include shaft (87027-1), ball bearing (84076), and CVA shaft (87354).

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 and suspension arm. Components include hex wrench (4mm), ball joint (89604), and suspension arm (85116).

STEP 2

Diagram showing the final assembly of the ball steering and suspension arm. Components include hex wrench (8mm), ball joint (89604), and suspension arm (85116).

CNC Alum Front Shock Tower and Lower Arm Holder Assembly

Diagram showing the CNC alum front shock tower and lower arm holder assembly. Components include shock tower (85080), lower arm holder (85090), and lower arm (88004).

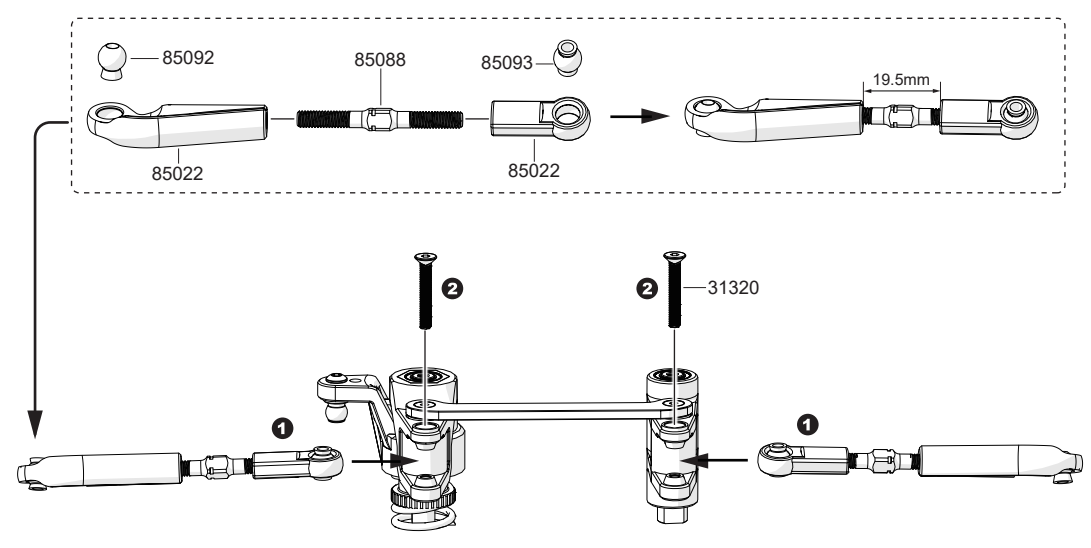
Servo Saver Assembly 1

Diagram showing the servo saver assembly. Components include servo saver (85115), servo saver (85114), servo saver (85113), servo saver (85112), servo saver (85115), servo saver (84078), and servo saver (85115).

7

31320
M3x20 x2
F/H Screw

Servo Saver Assembly 2



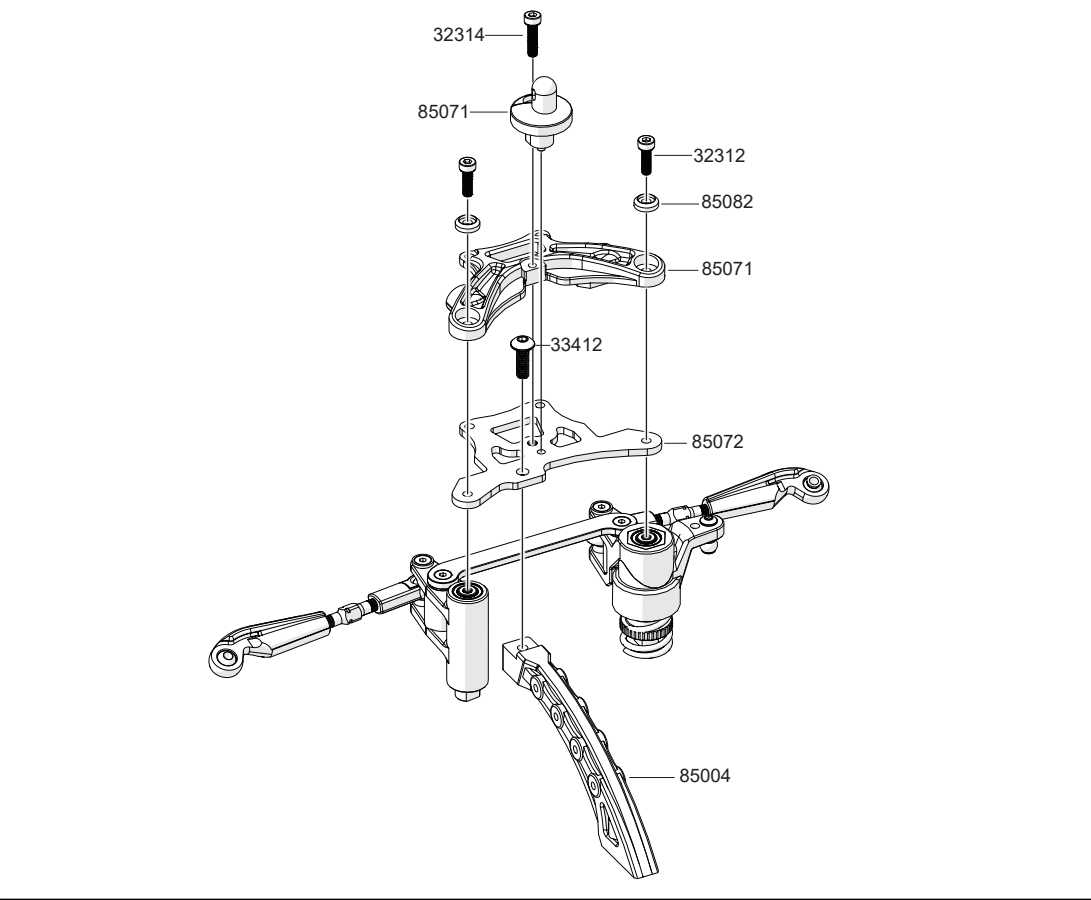
8

32314
M3x14 x1
Cap Screw

32312
M3x12 x2
Cap Screw

33412
M4x12 x1
B/H Screw

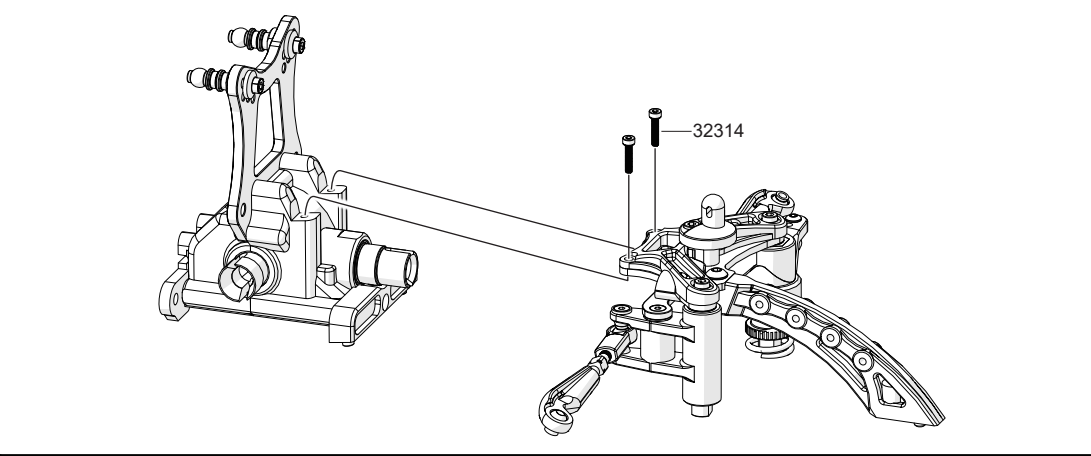
Servo Saver Assembly 3



9

32314
M3x14 x2
Cap Screw

Servo Saver Assembly 4



10

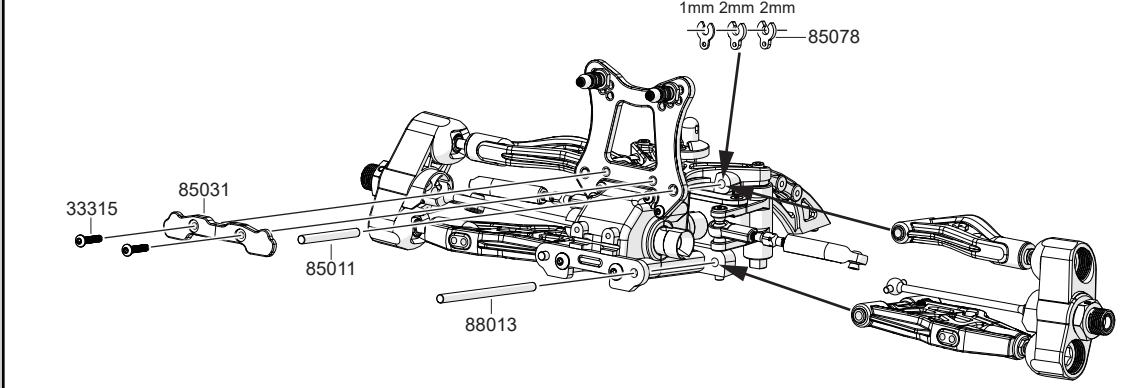
33315
M3x15 x2
B/H Screw

31320
M3x20 x2
F/H Screw

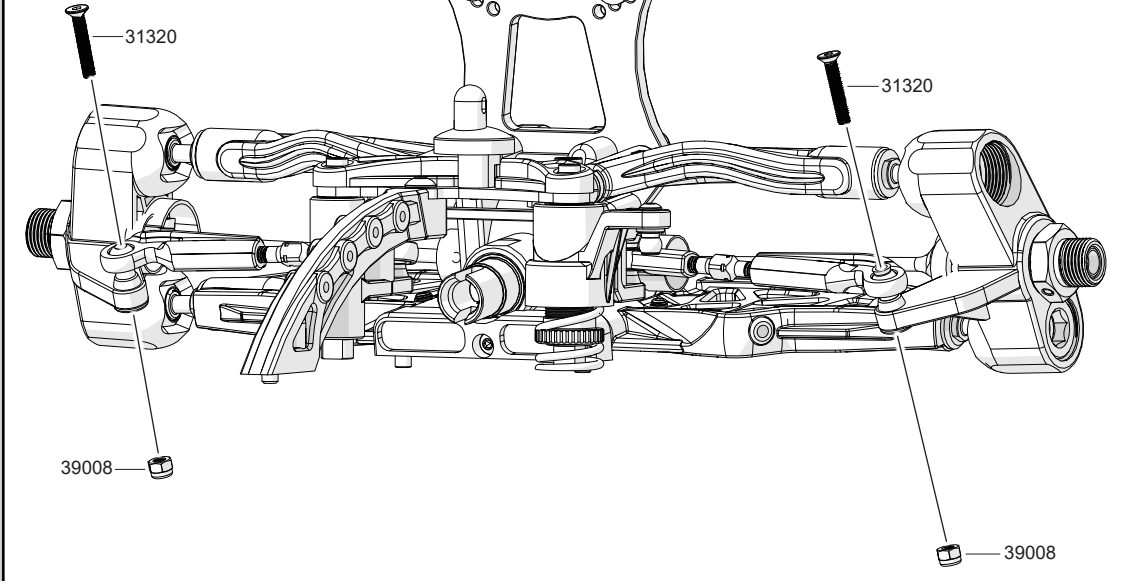
39008
M3 Nut x2

Front Suspension Arm Assembly

STEP 1



STEP 2

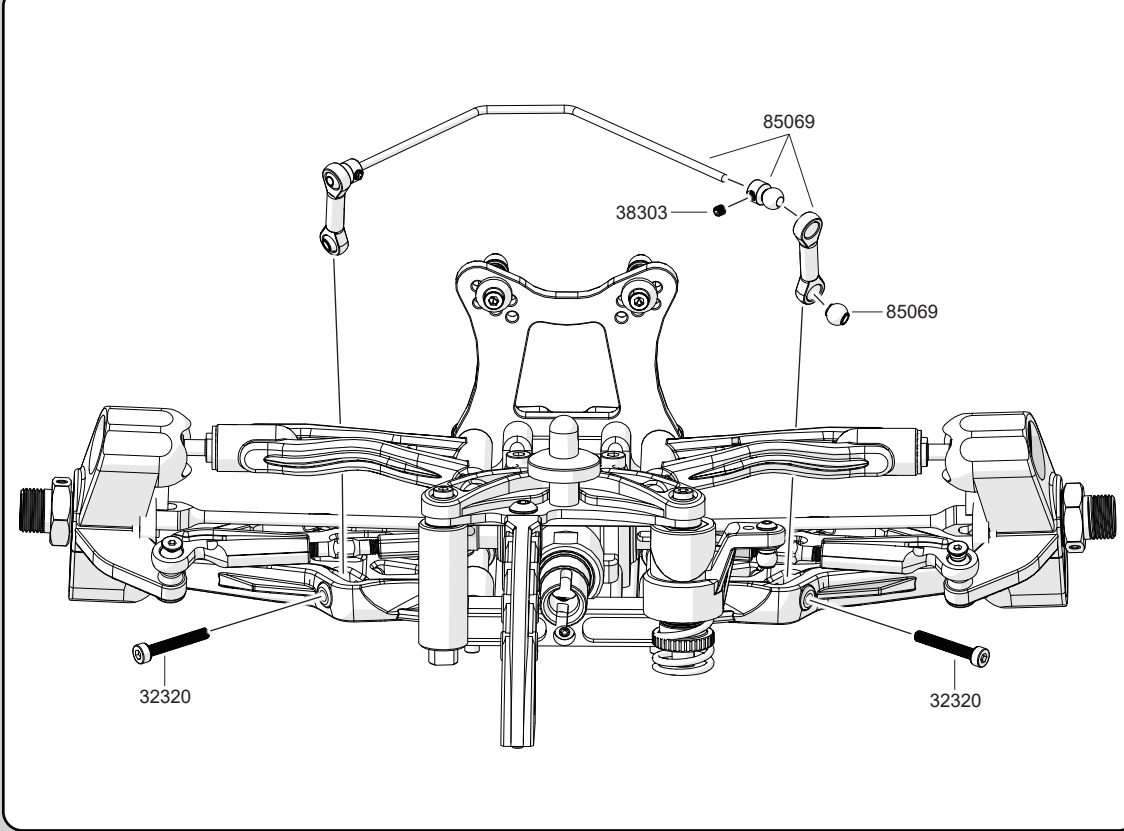


11

32320
M3x20 x2
Cap Screw

38303
M3x3 x2
Set Screw

Front Sway Bar Assembly



12

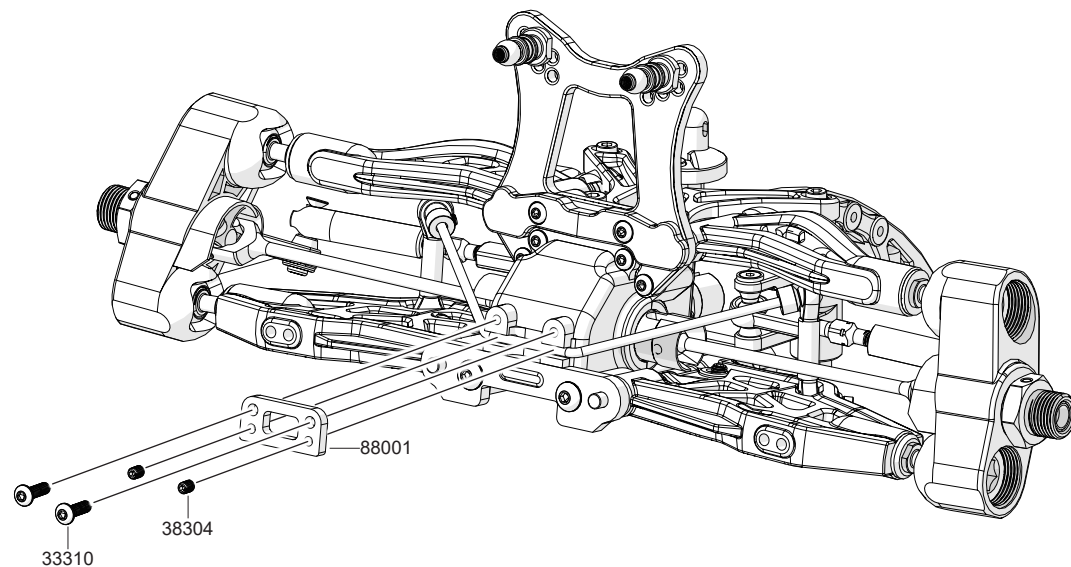
Front Sway Bar Assembly



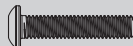
38304
M3x4 x2
Set Screw



33310
M3x10 x2
B/H Screw

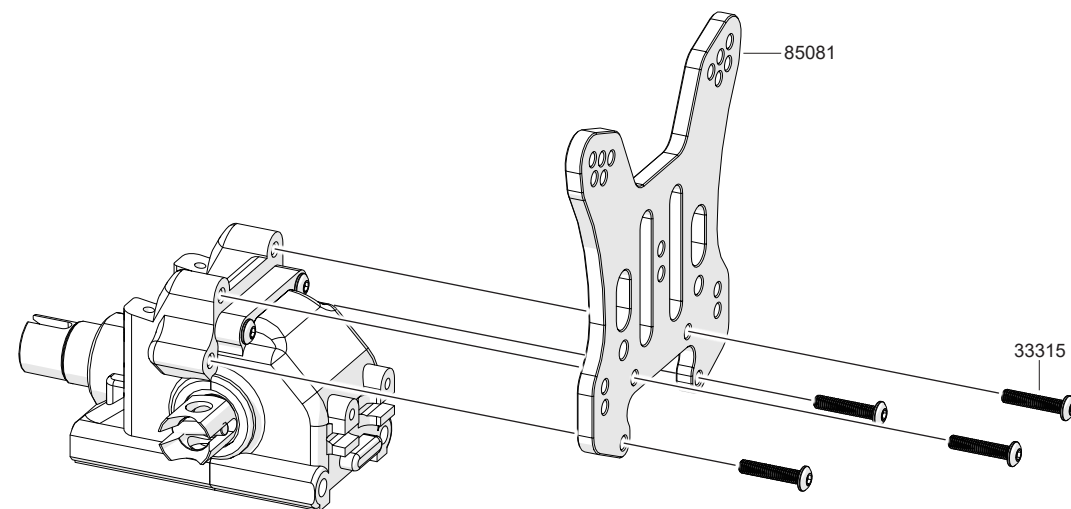


13



33315
M3x15 x4
B/H Screw

CNC Alum Rear Shock Tower And Gear Box Assembly



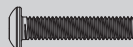
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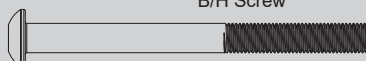
32320
M3x20 x2
Cap Screw



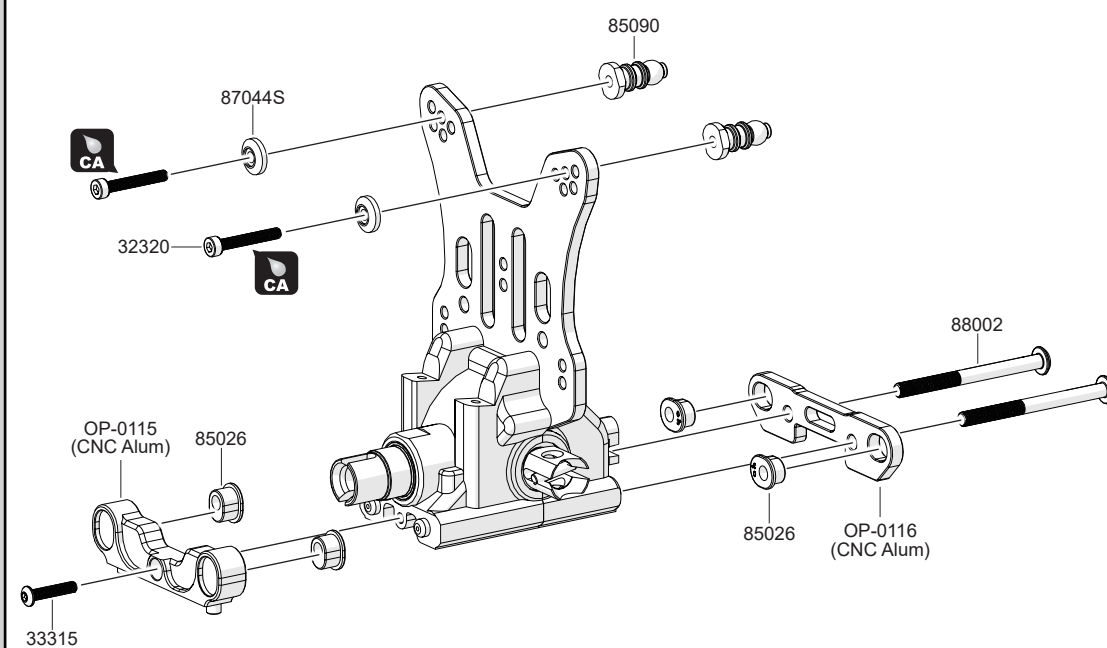
87044S
Alum Collar x2



33315
M3x15 x4
B/H Screw



88002
M4x47 x2
B/H Screw



05

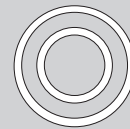
15



39008
M3 Nut x2



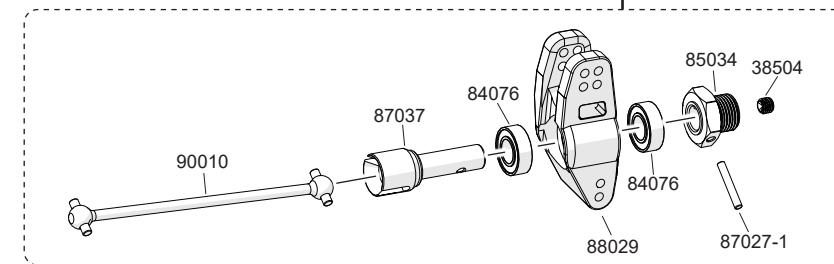
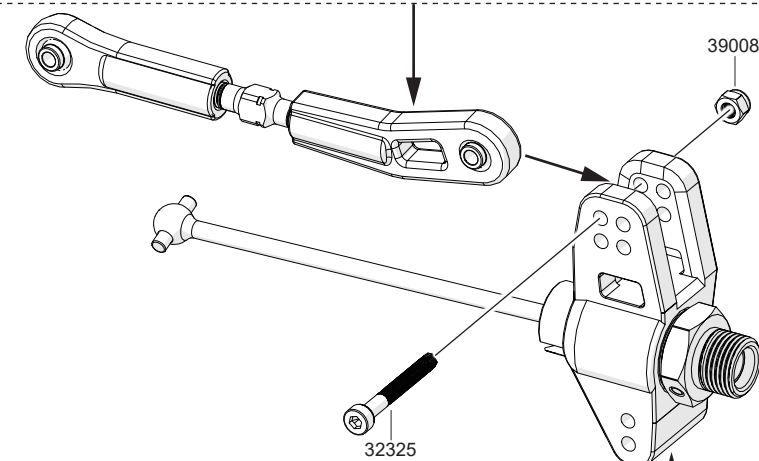
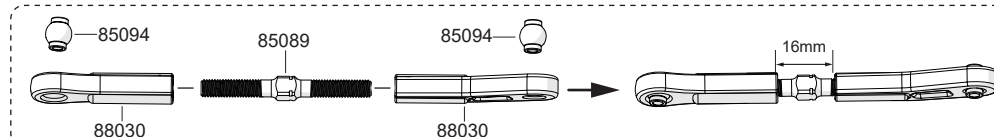
38504
M5x4 x2
Set Screw



84076
8x16x5mm x4
Ball Bearing



32325
M3x25 x2
Cap Screw



16



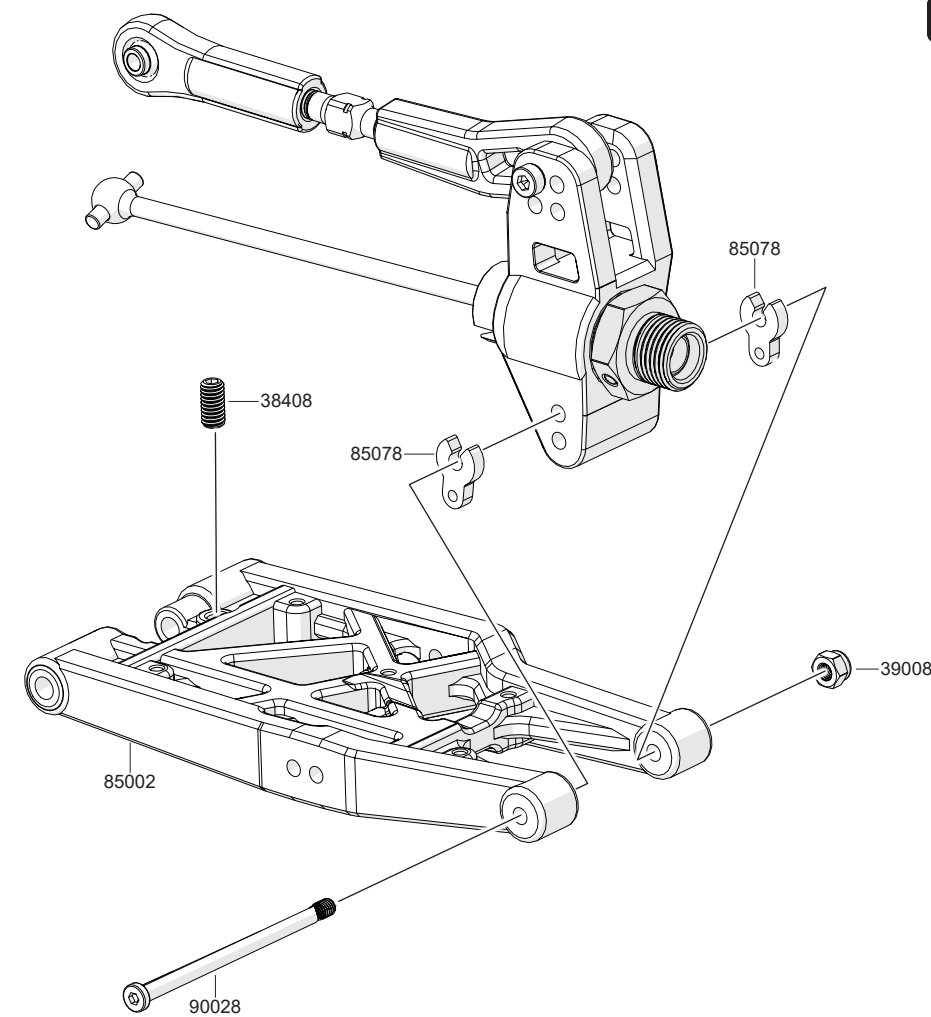
38408
M4x8 x2
Set Screw



39008
M3 Nut x2



90028
M3x50 x2
Cap Screw

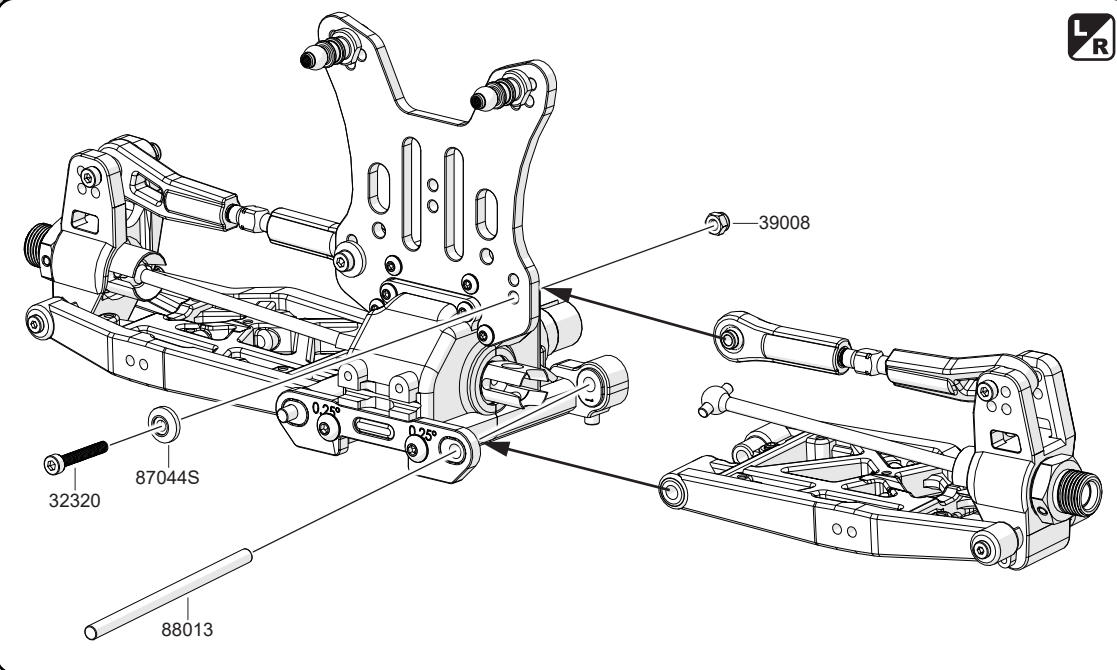


06

17

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

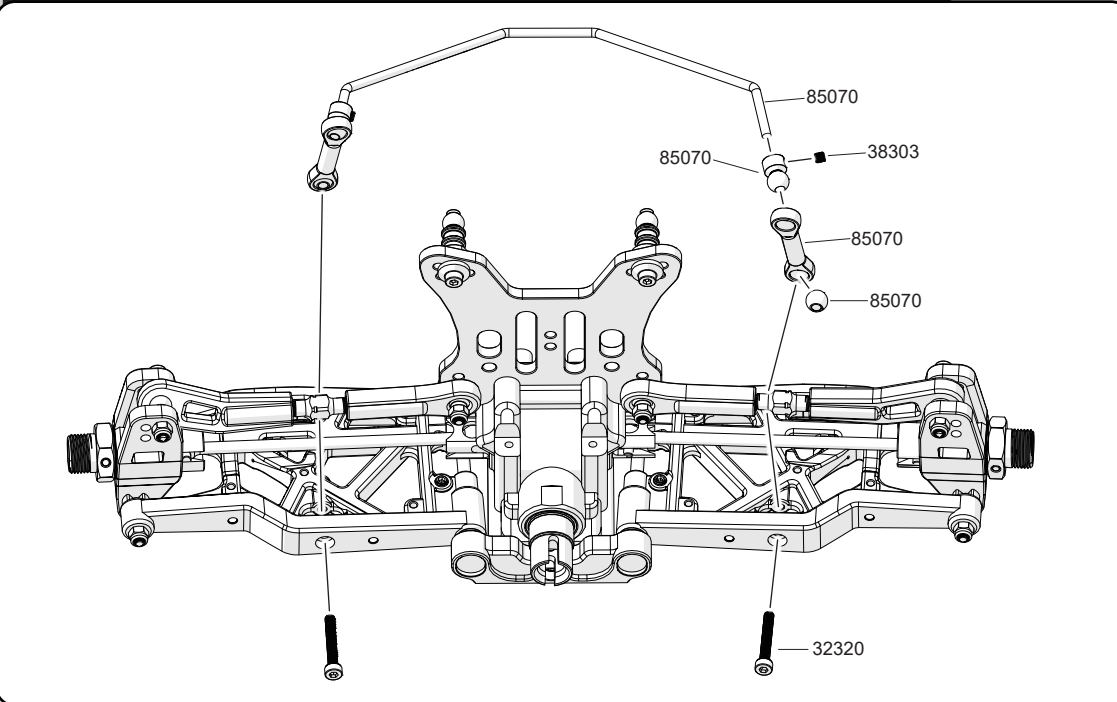
Rear Suspension Arm Assembly



18

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

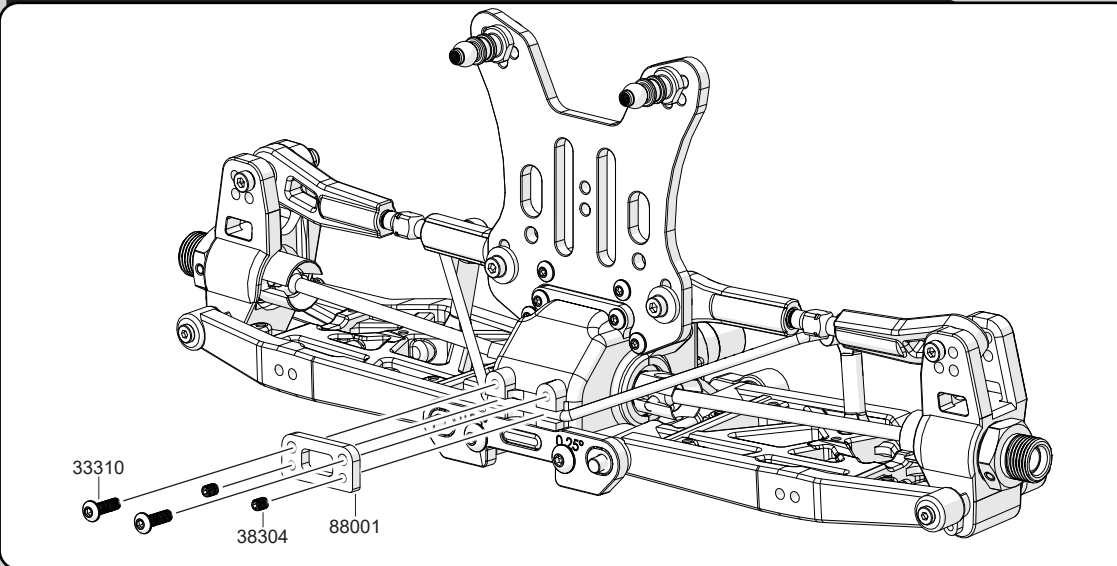
Rear Sway Bar Assembly 1



19

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

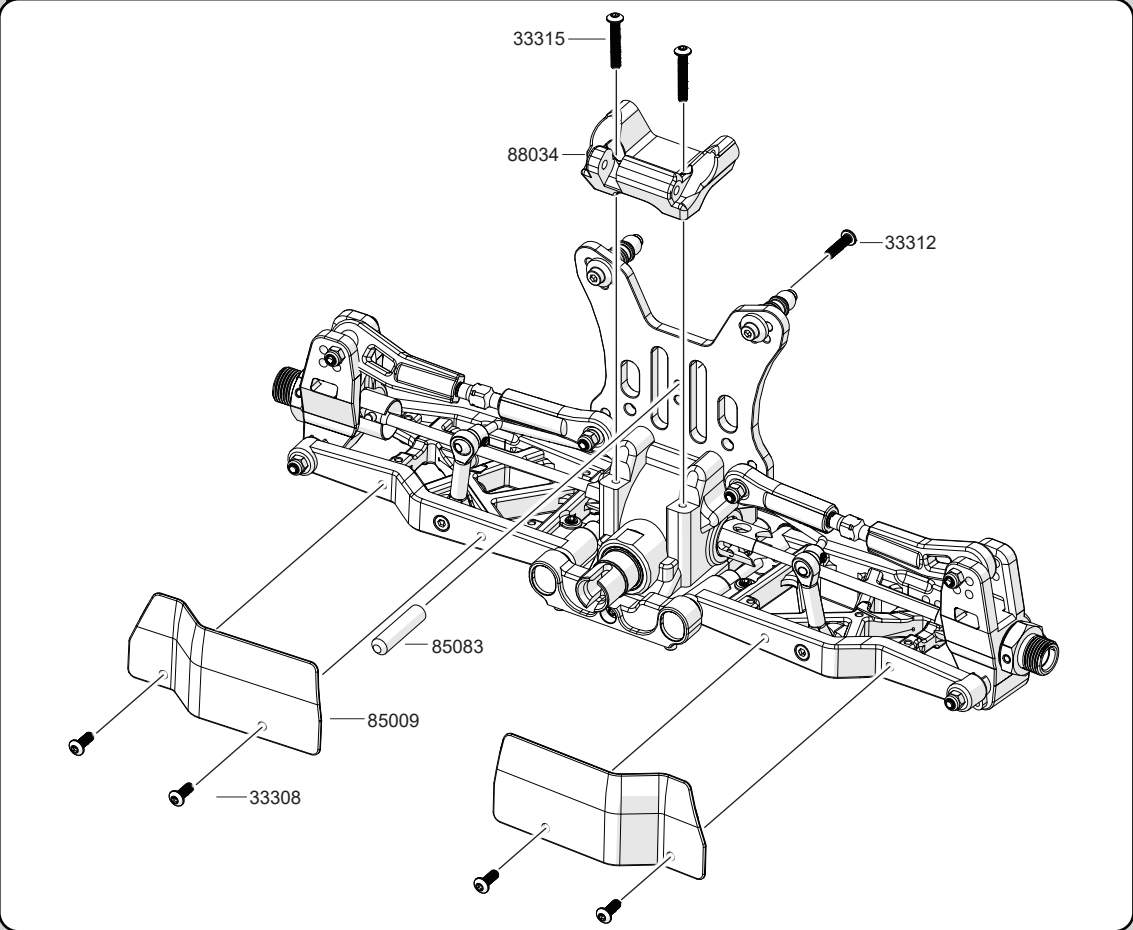
Rear Sway Bar Assembly 2



20

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

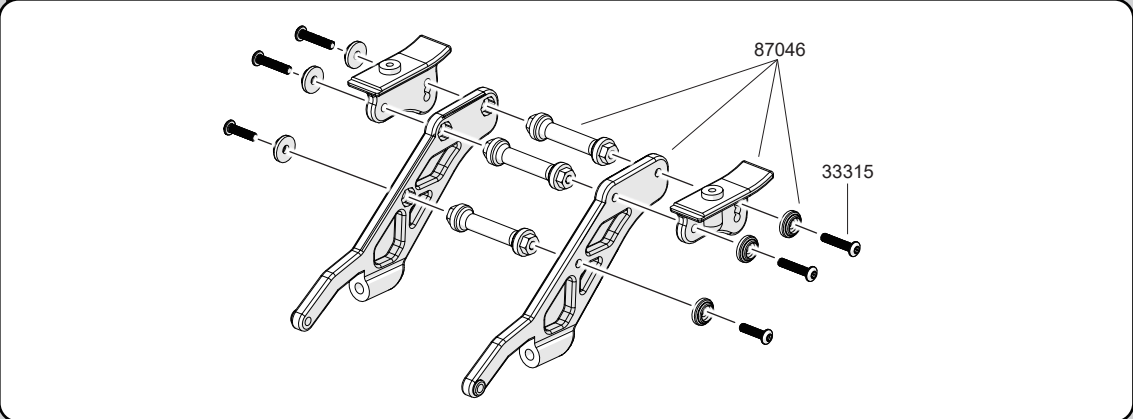
Rear Body Mount And Mud Guard Assembly



21

- 33315
M3x15 x6
B/H Screw

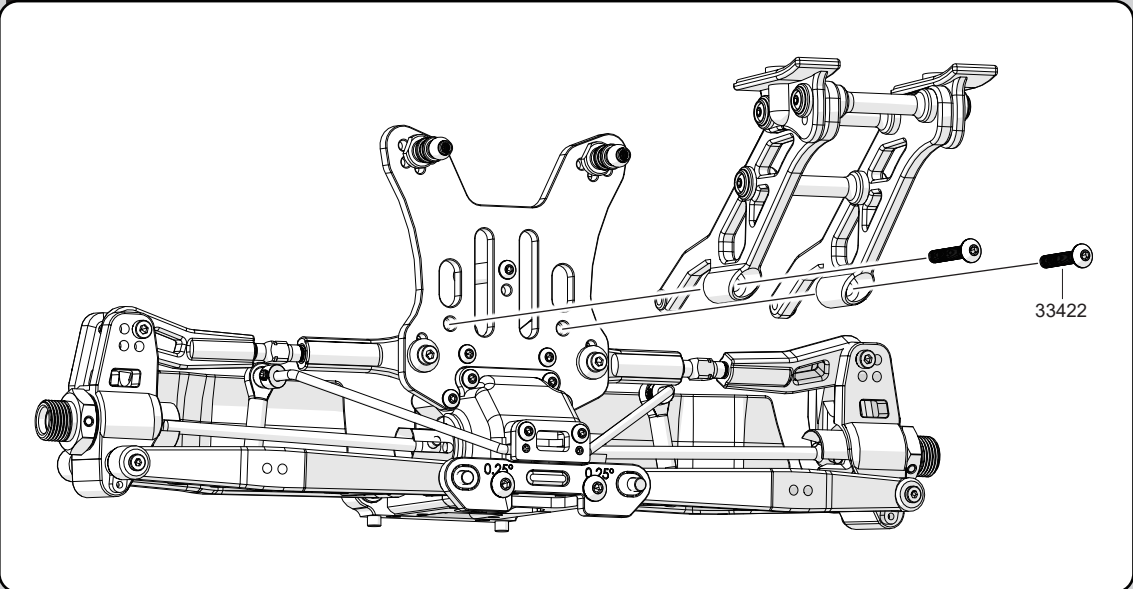
Wing Mount Assembly 1



22

- 33422
M4x22 x2
B/H Screw

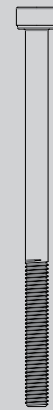
Wing Mount Assembly 2



23

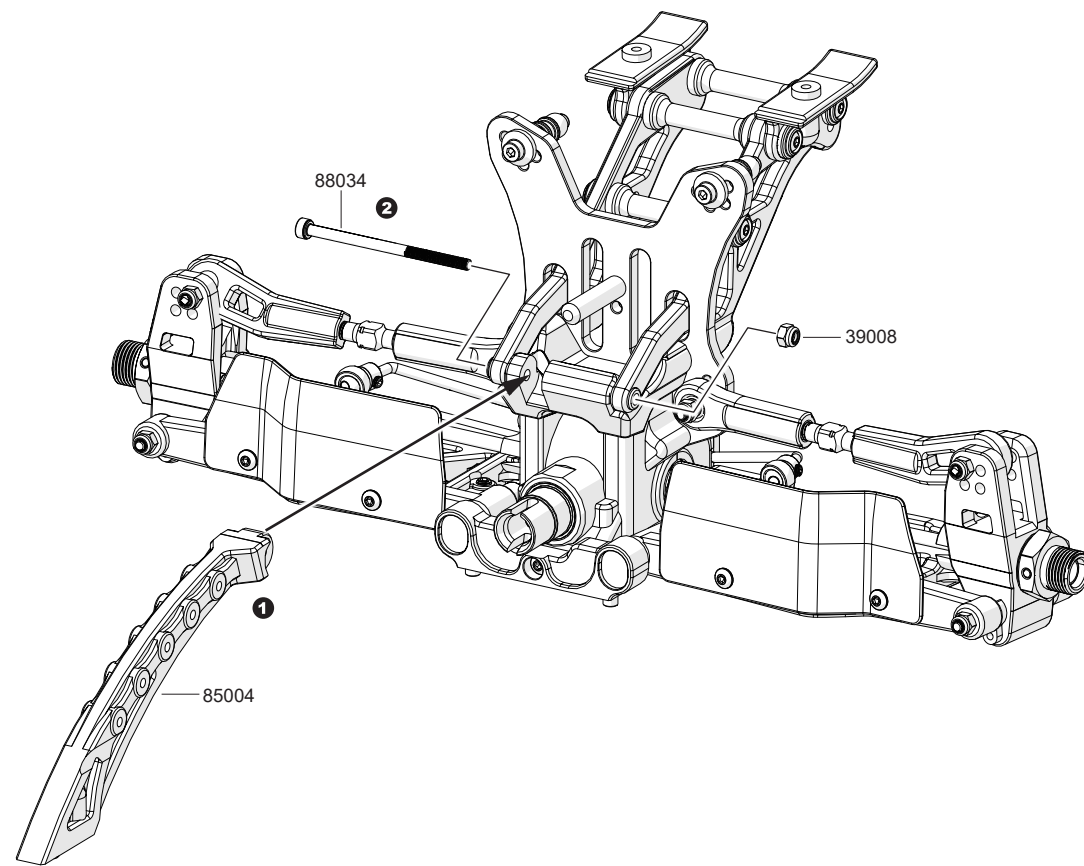


39008
M3 Nut x1



88034
M3x50 x1
Cap Screw

Rear Chassis Brace Assembly



24



85066
4.1x8x0.1mm x8
Washer



87005-1
6.2x13.9x0.3mm x2
Washer



36101
5.8x1.9mm x2
O-ring



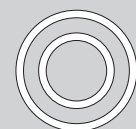
38404
M4x4 x1
Set Screw



31315
M3x15 x4
B/H Screw

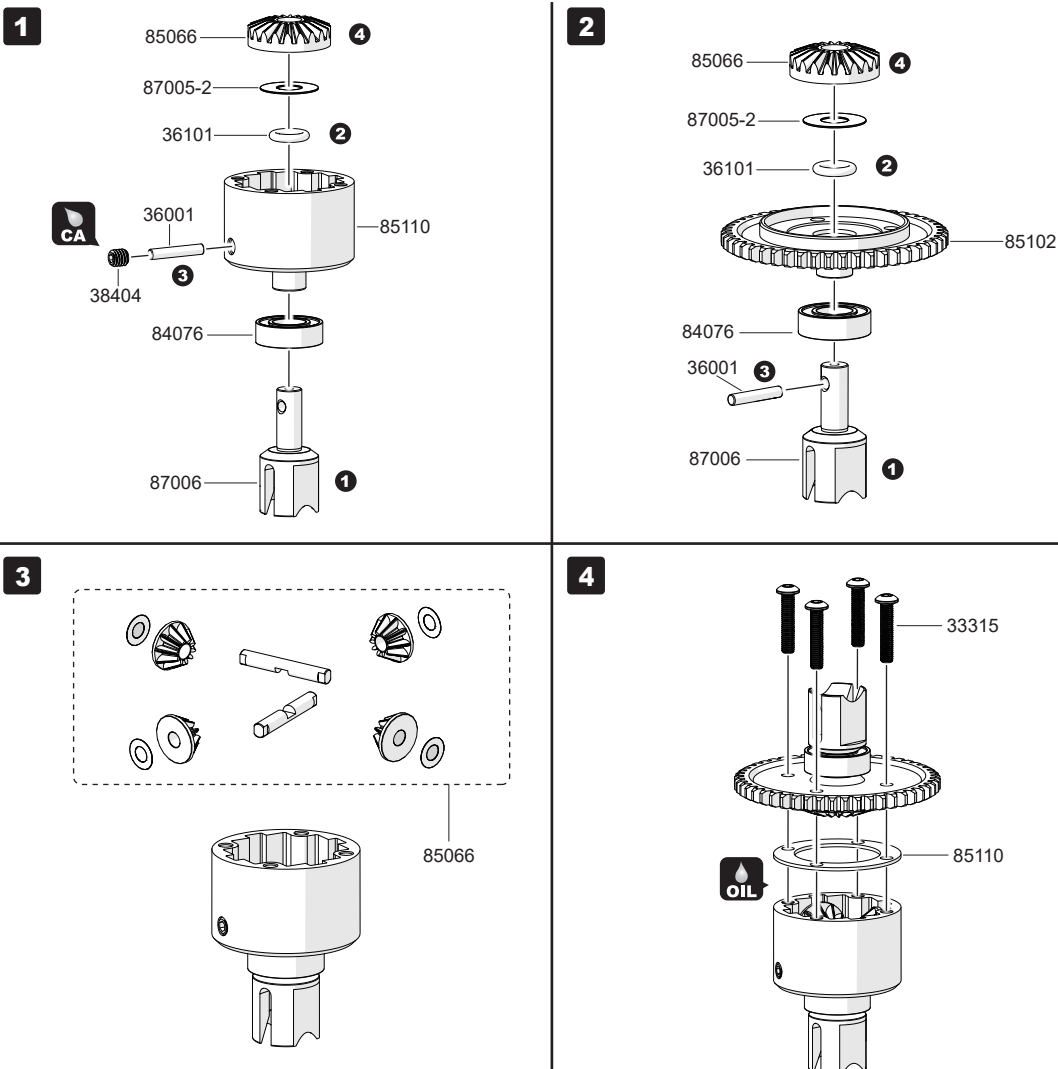


36001
2.5x13.8mm x2
Shaft



84076
8x16x5mm x2
Ball Bearing

Center Differential Assembly 1

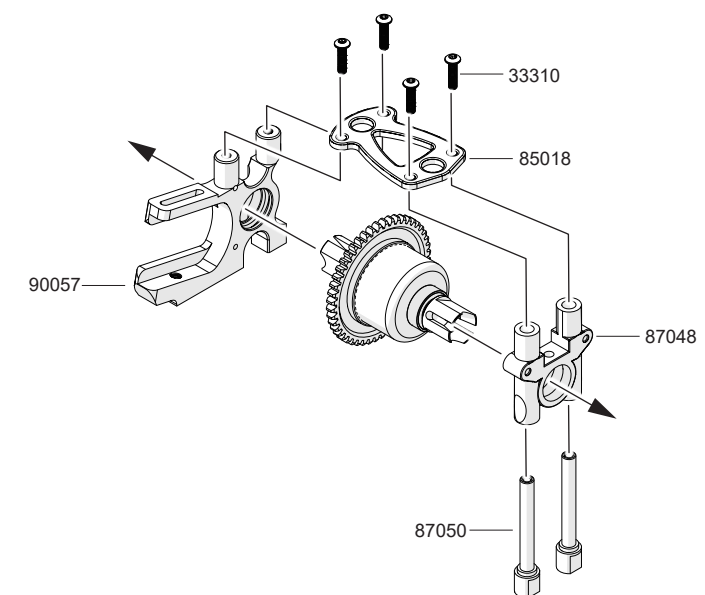


25



33310
M3x10 x4
B/H Screw

Center Differential Assembly 2

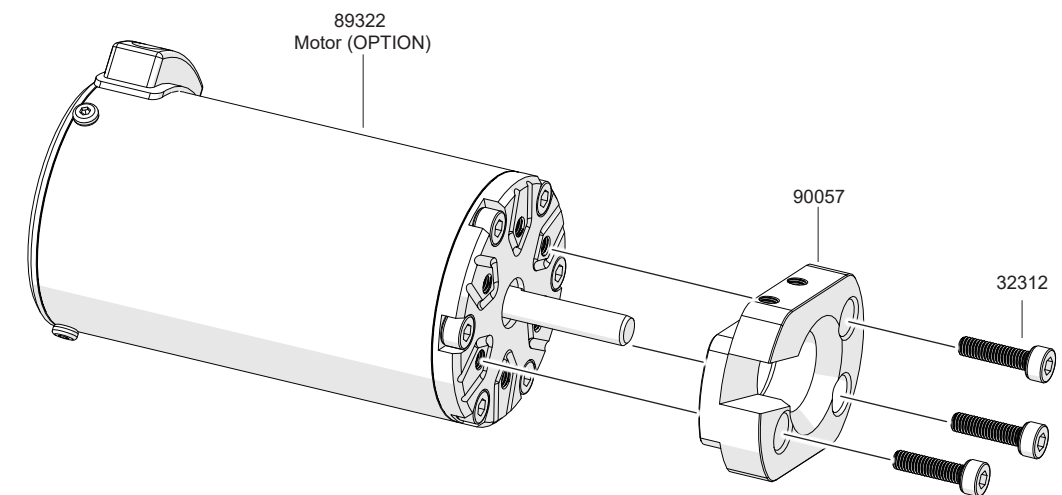


26



32312
M3x12 x3
Cap Screw

Motor Mount Assembly 1

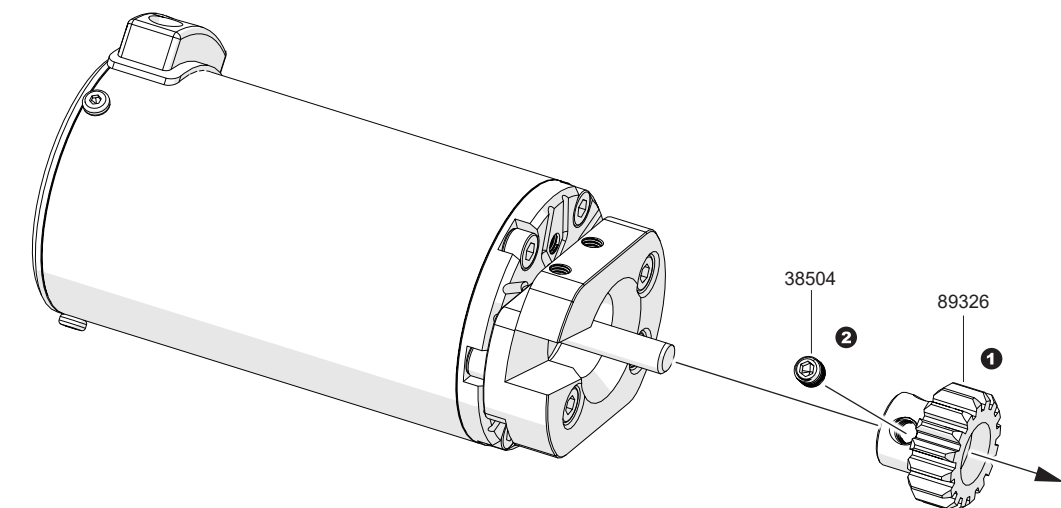


27



38504
M5x4 x1
Set Screw

Motor Mount Assembly 2



28

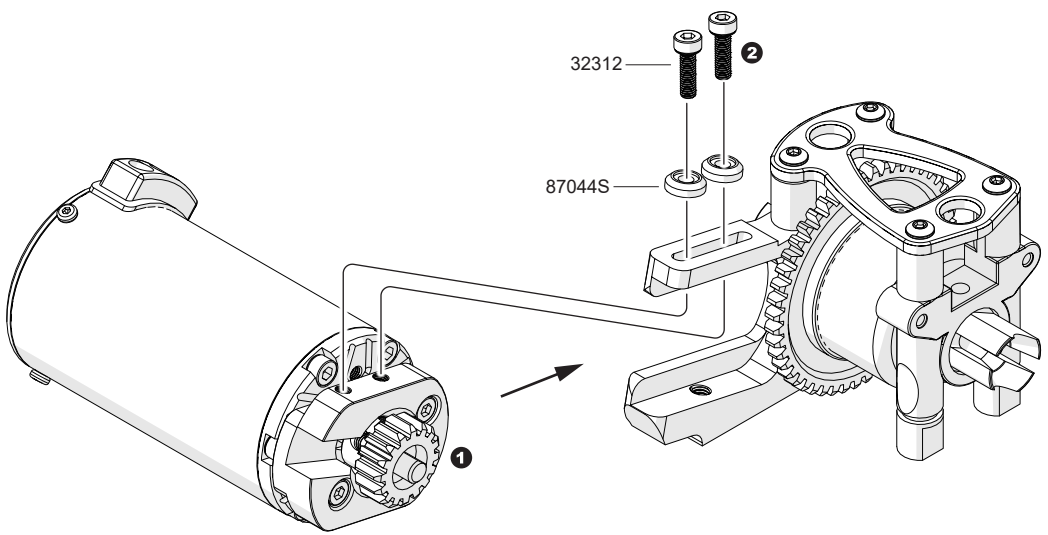


32312
M3x12 x2
Cap Screw



87044S x2
Alum Collar

Center Differential And Motor Mount Assembly



29

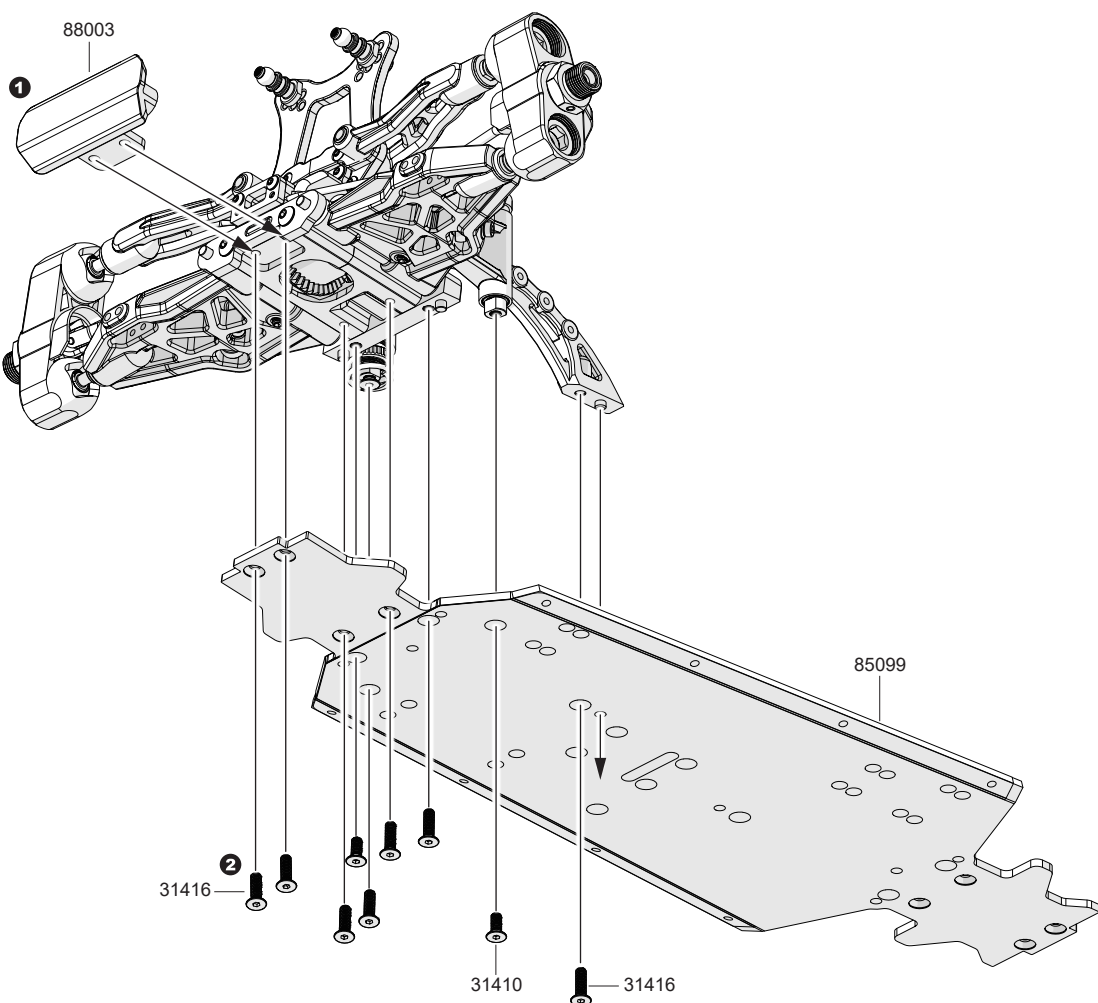


31410
M4x10 x4
F/H Screw



31416
M4x16 x5
F/H Screw

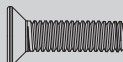
Front Clip Assembly



30

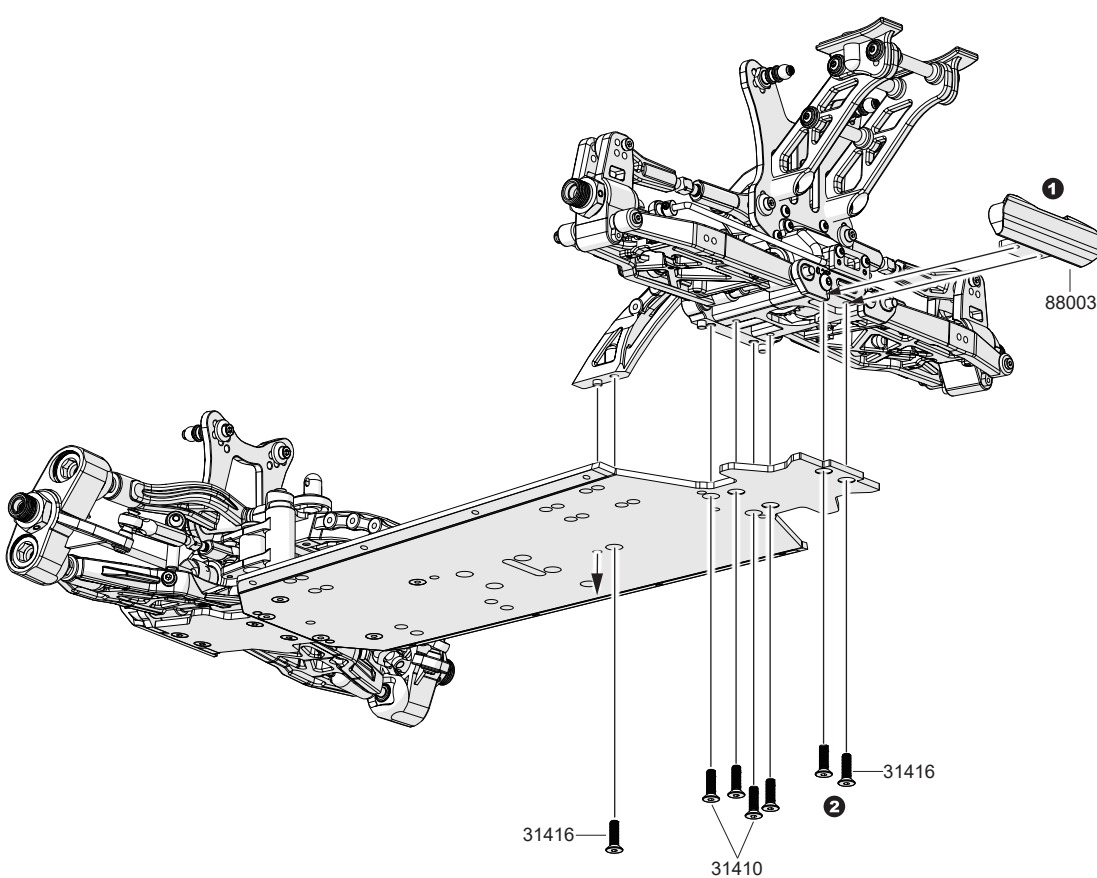


31410
M4x10 x2
F/H Screw



31416
M4x16 x5
F/H Screw

Rear Clip Assembly

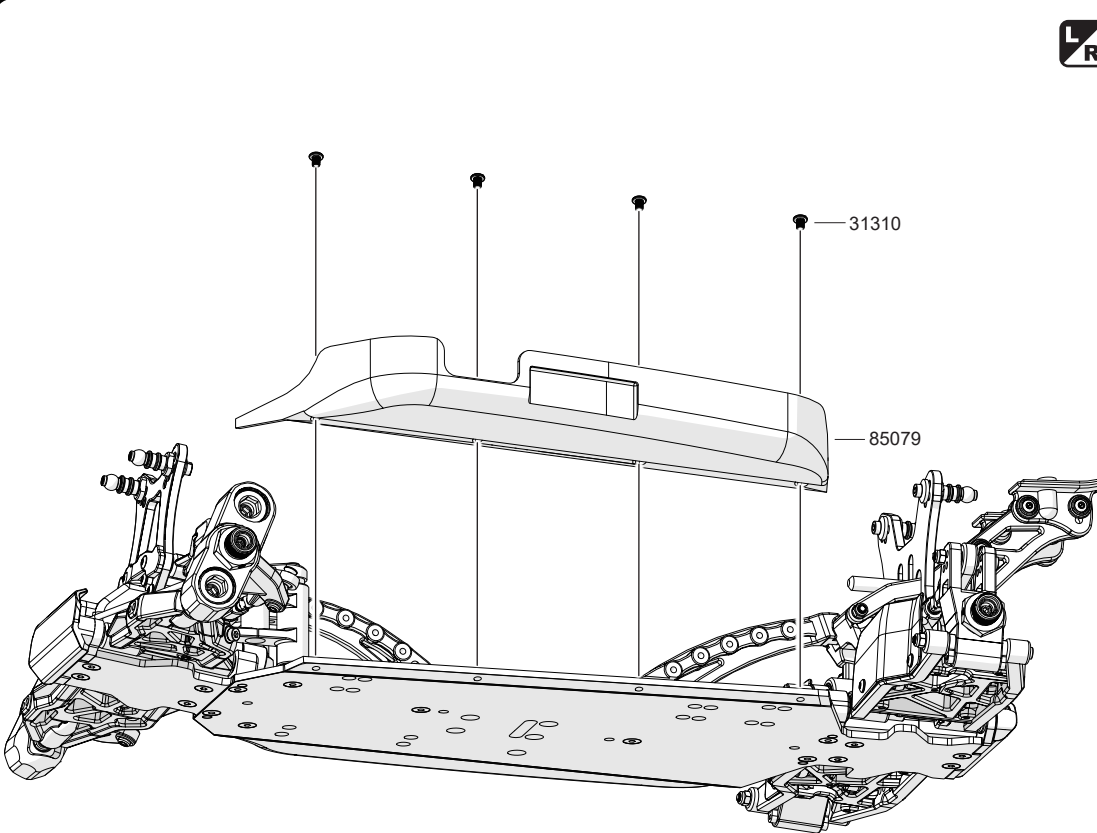


31



33305
M3x5 x8
B/H Screw

Side Guard Assembly

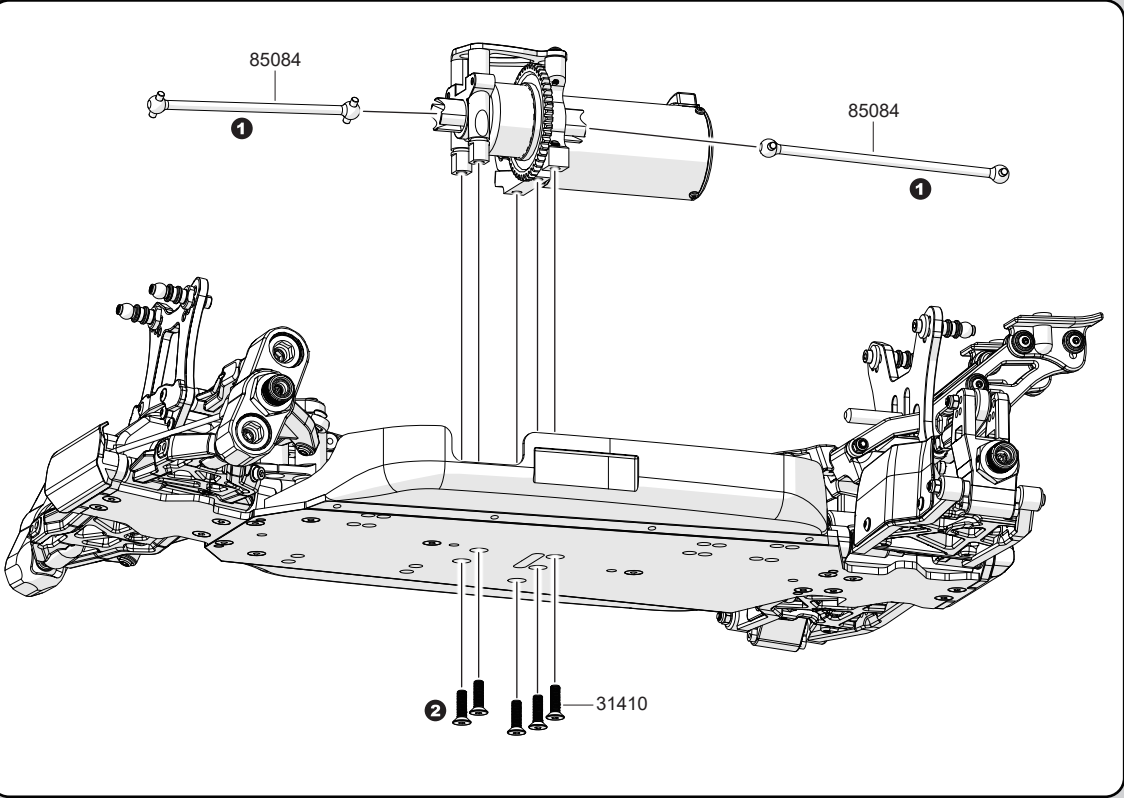


32



31410
M4x10 x5
F/H Screw

Center Drive Shaft And Motor Unit Assembly



33

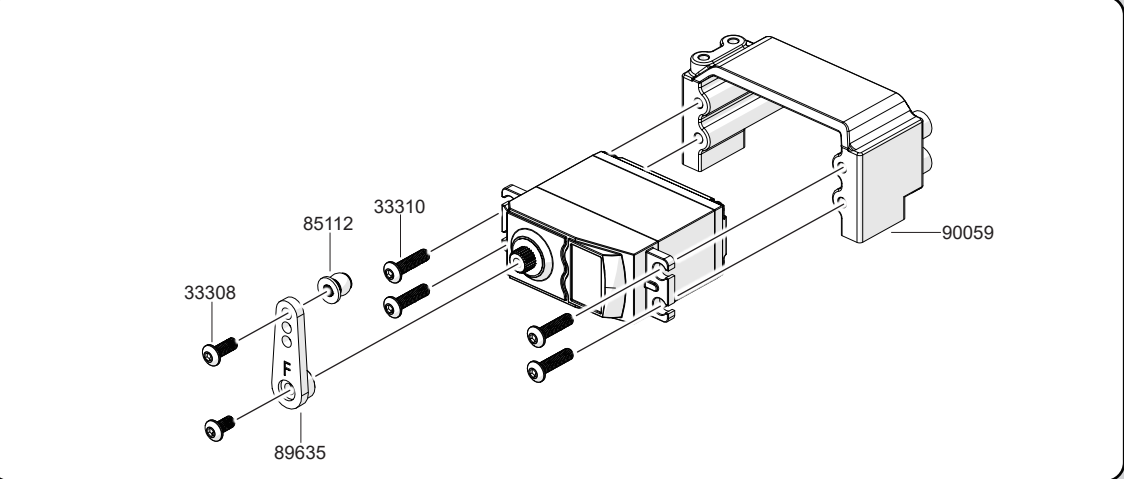


33308
M3x8 x2
B/H Screw



33310
M3x10 x4
B/H Screw

Steering Servo Assembly

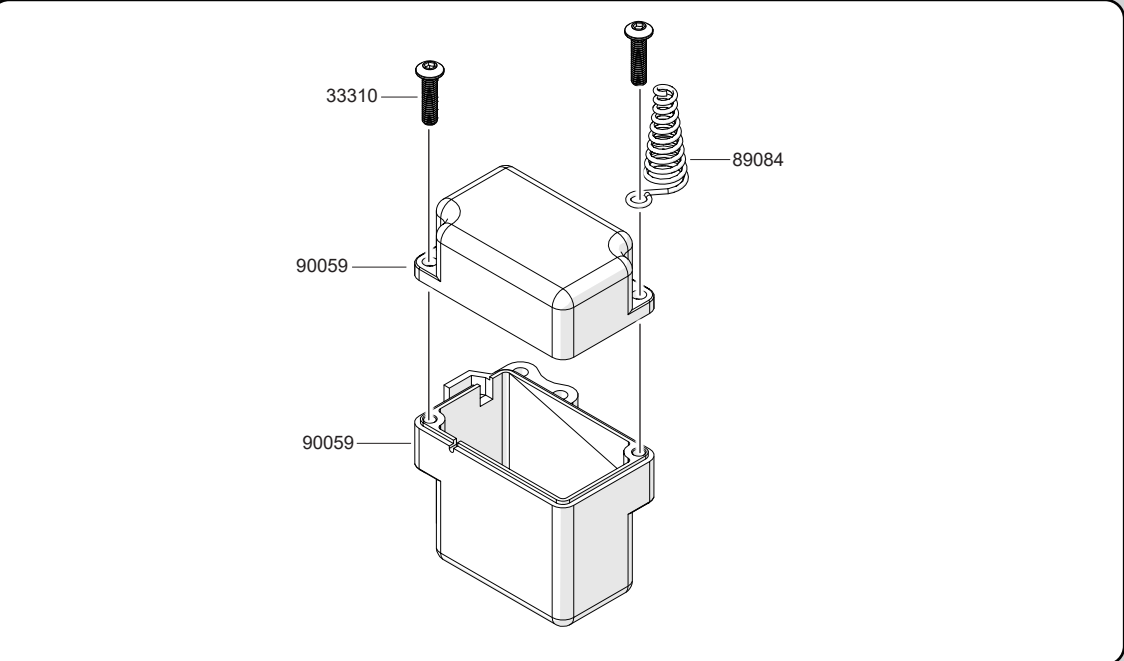


34



33310
M3x10 x2
B/H Screw

Receive Box Assembly

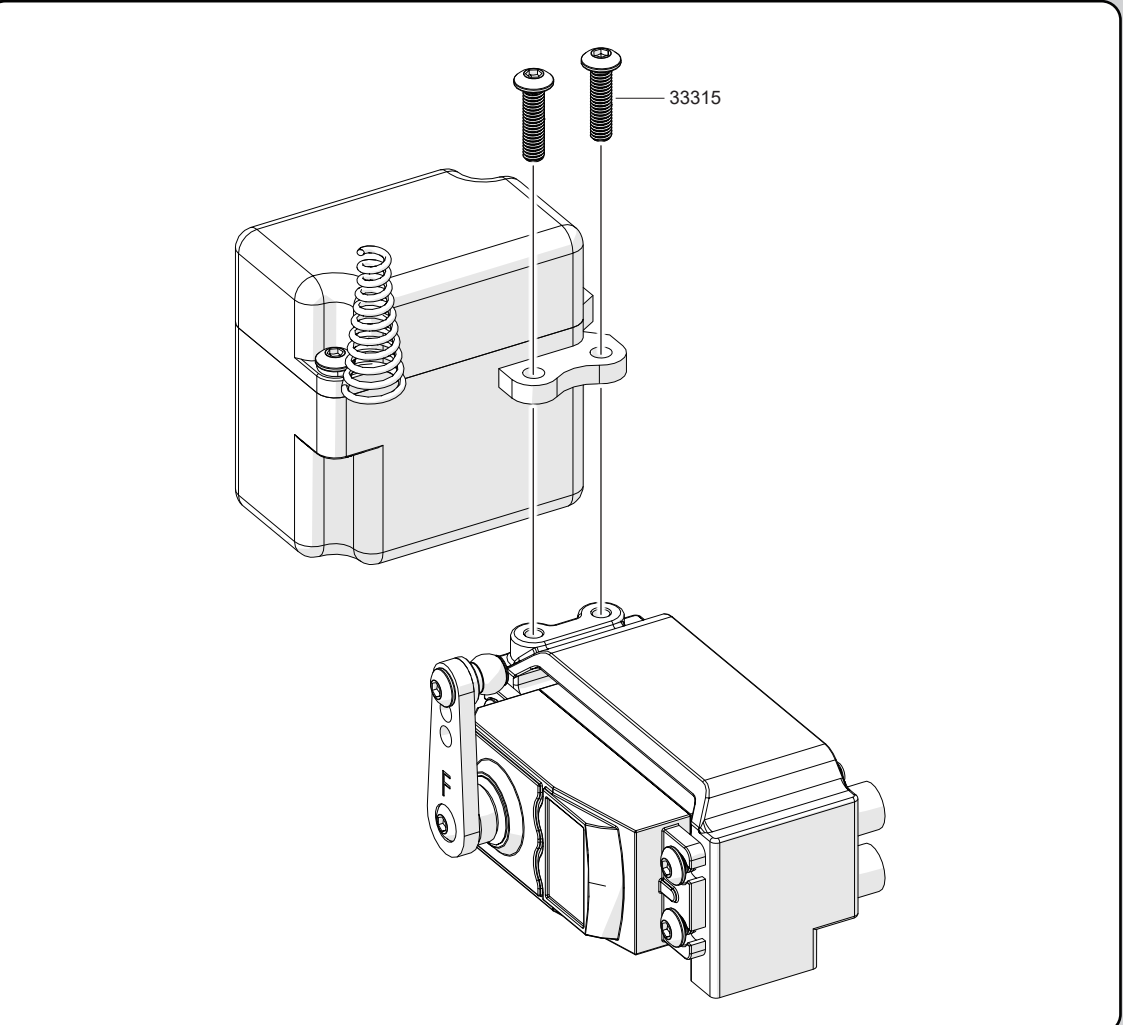


35



33315
M3x15 x2
B/H Screw

Receive Box & Steering Servo Assembly

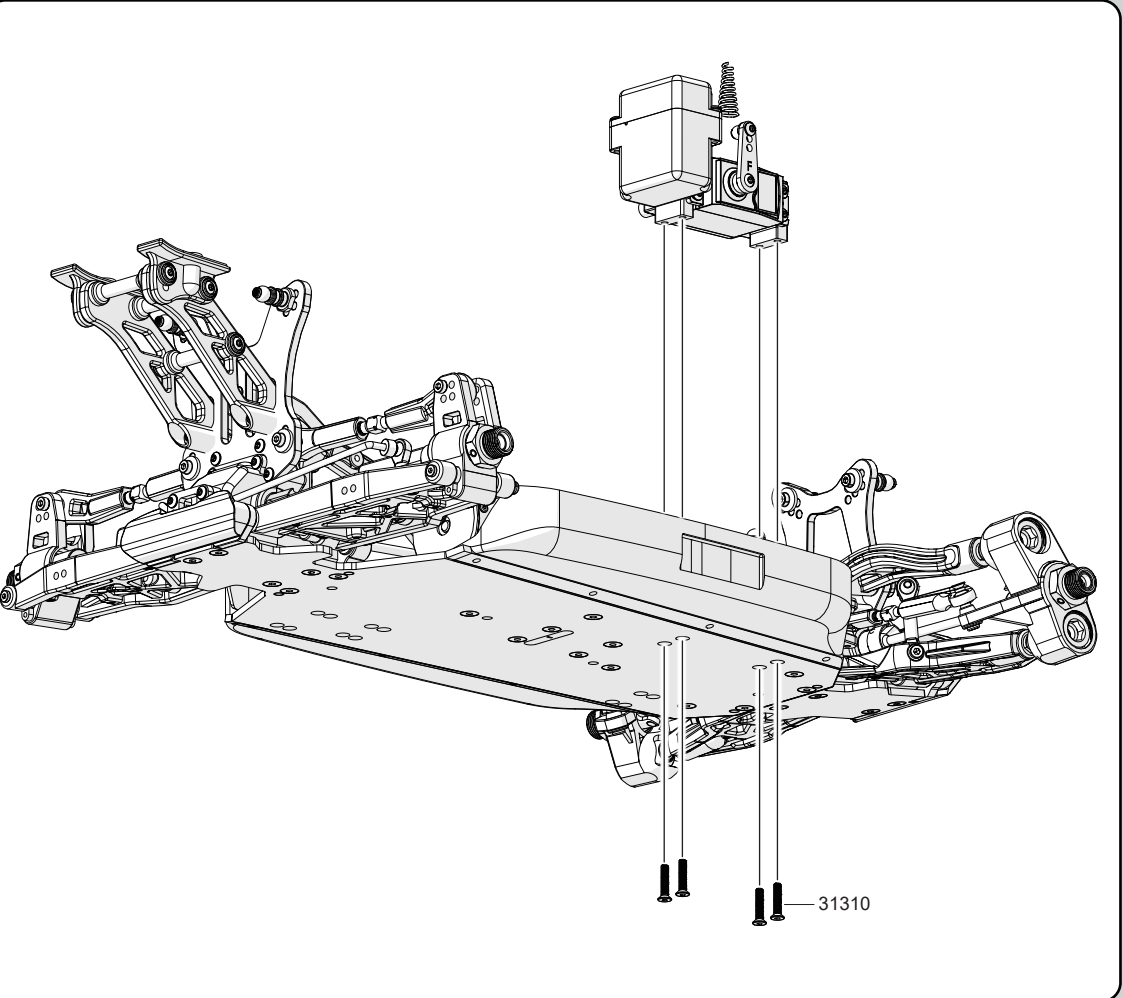


36

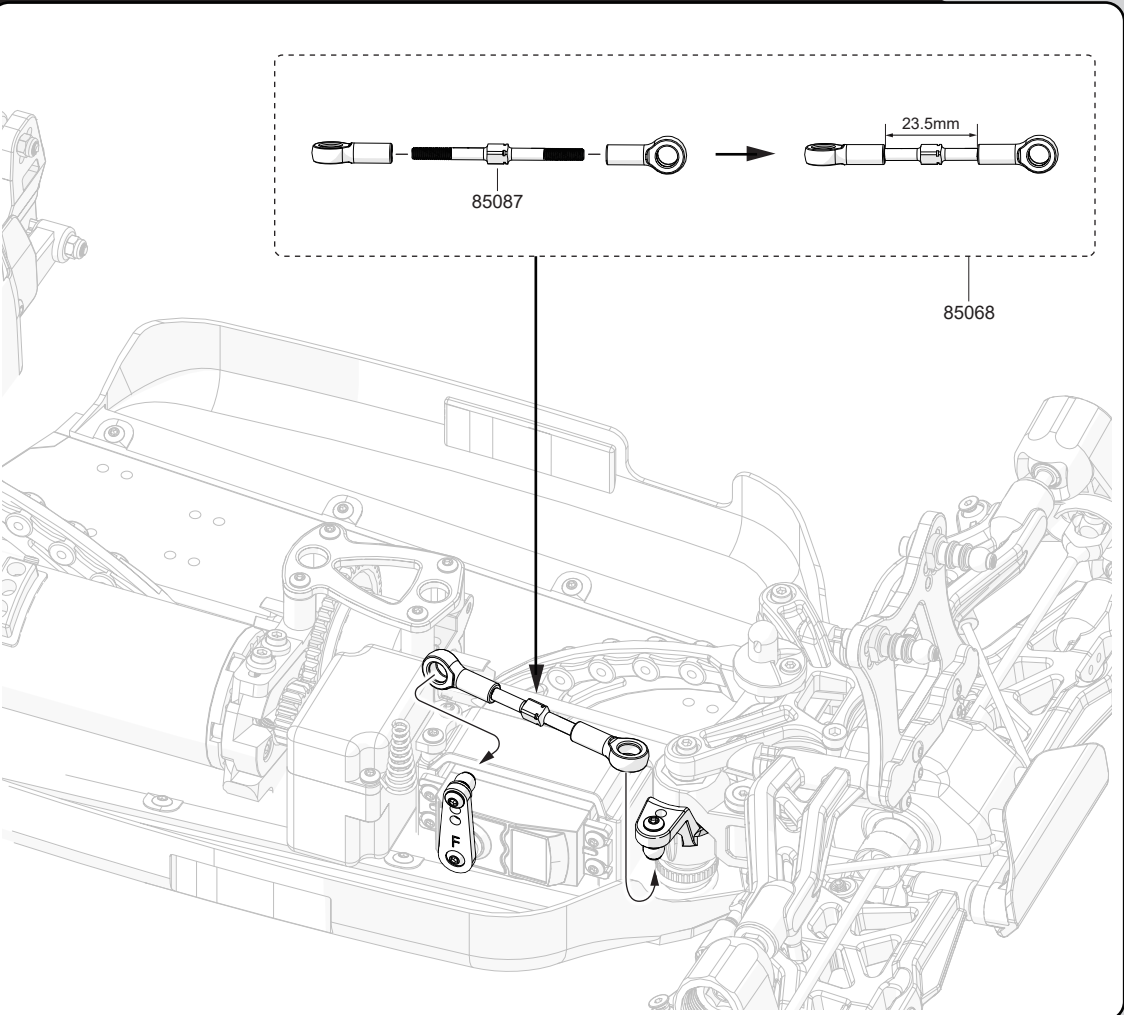


31310
M3x10 x4
F/H Screw

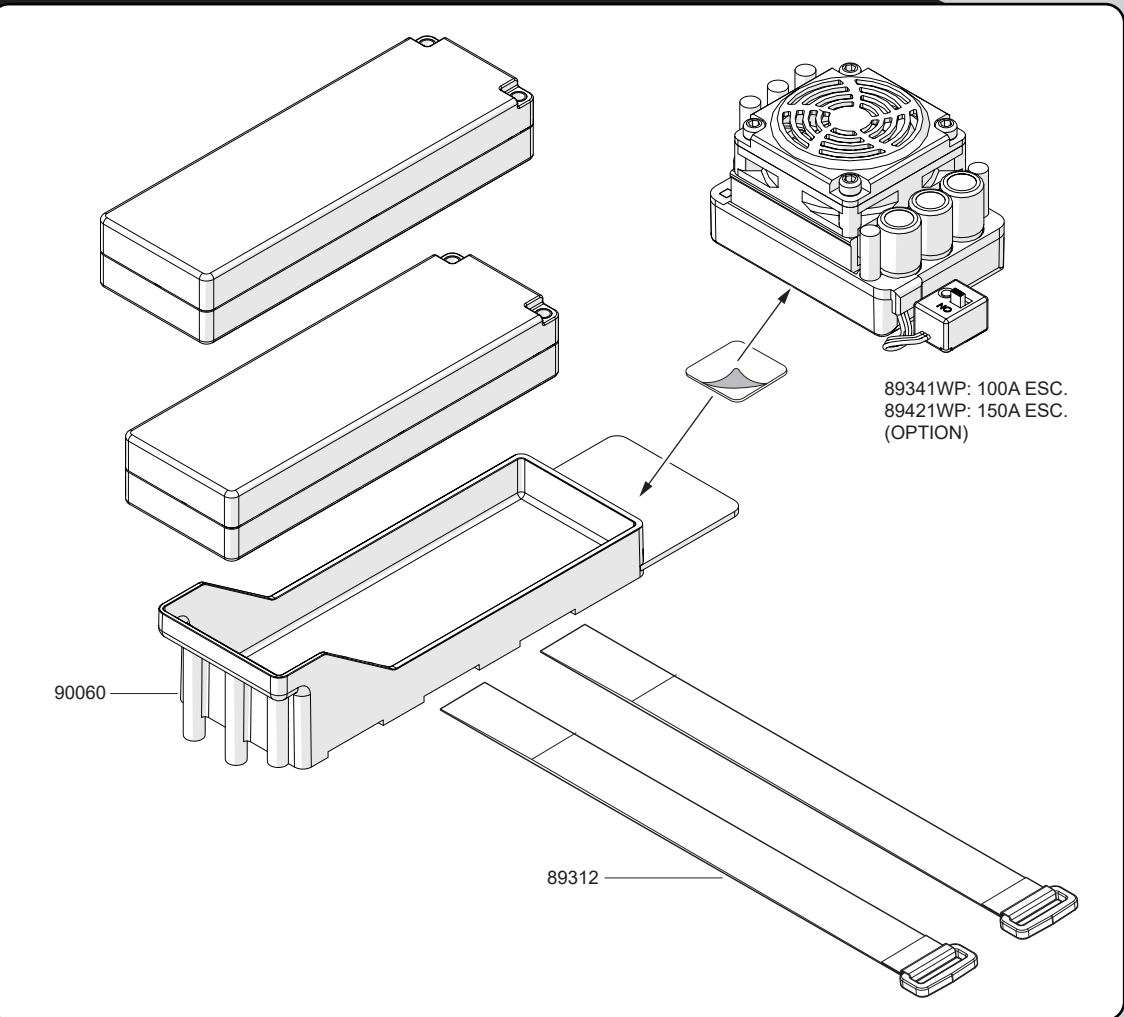
Receive Box And Steering Servo Assembly



Steering Servo Linkage Assembly



Battery Tray And Electric Speed Controller Assembly



90030
M2.6 Nut x4



90030
3.1x7x0.25mm x4
Washer



90036
O-Ring Shield



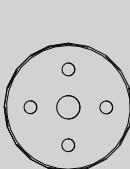
90036
4x8mm x8
O-Ring



90036
4.05x7.98x1.2mm x4
Washer



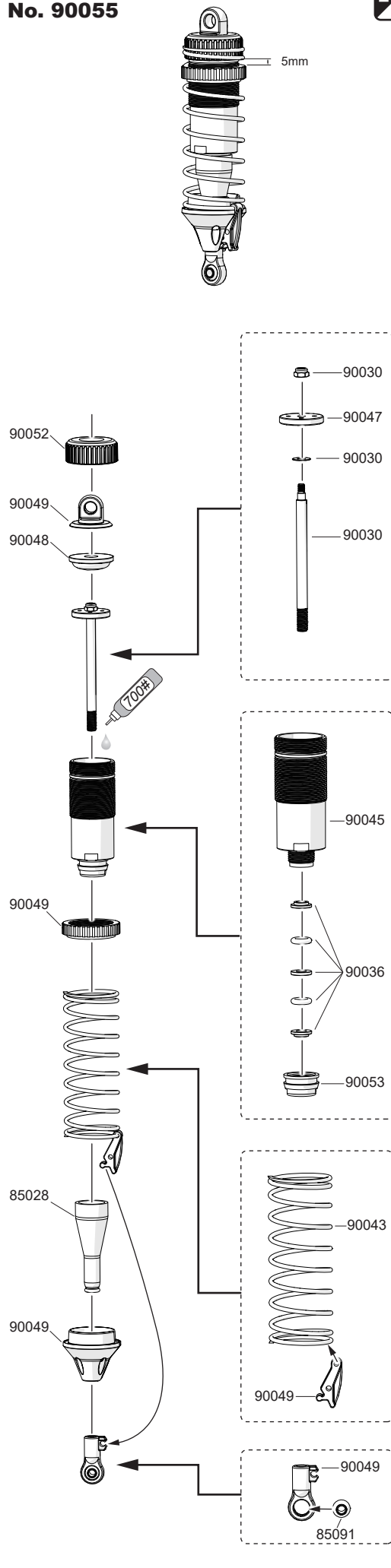
30004
6.8mm x4
Ball



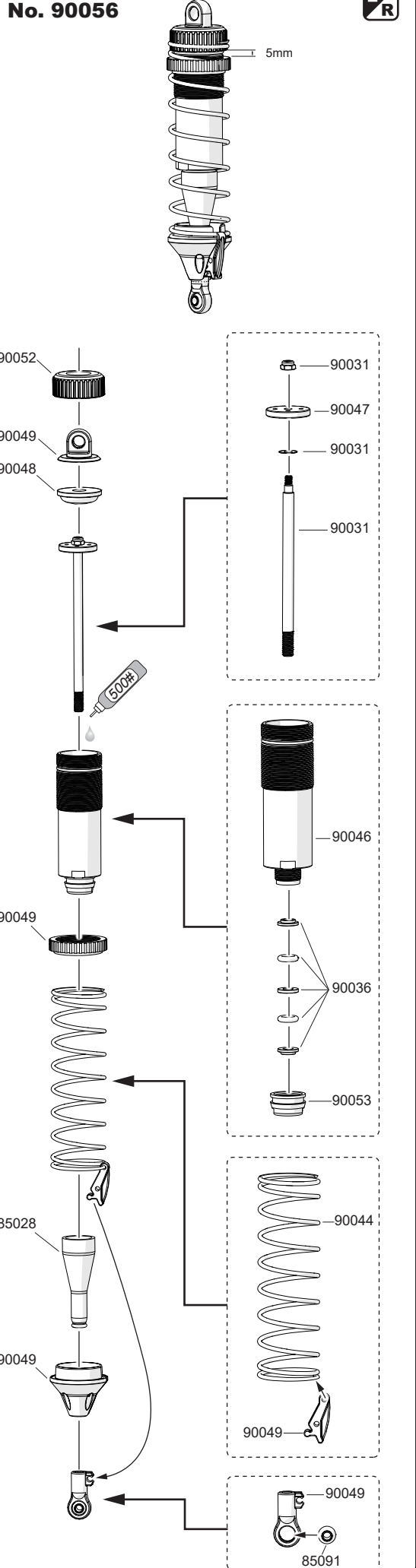
90047
3x17x2.4mm

Front / Rear Shock Absorber Assembly

Front Shock Set No. 90055



Rear Shock Set No. 90056

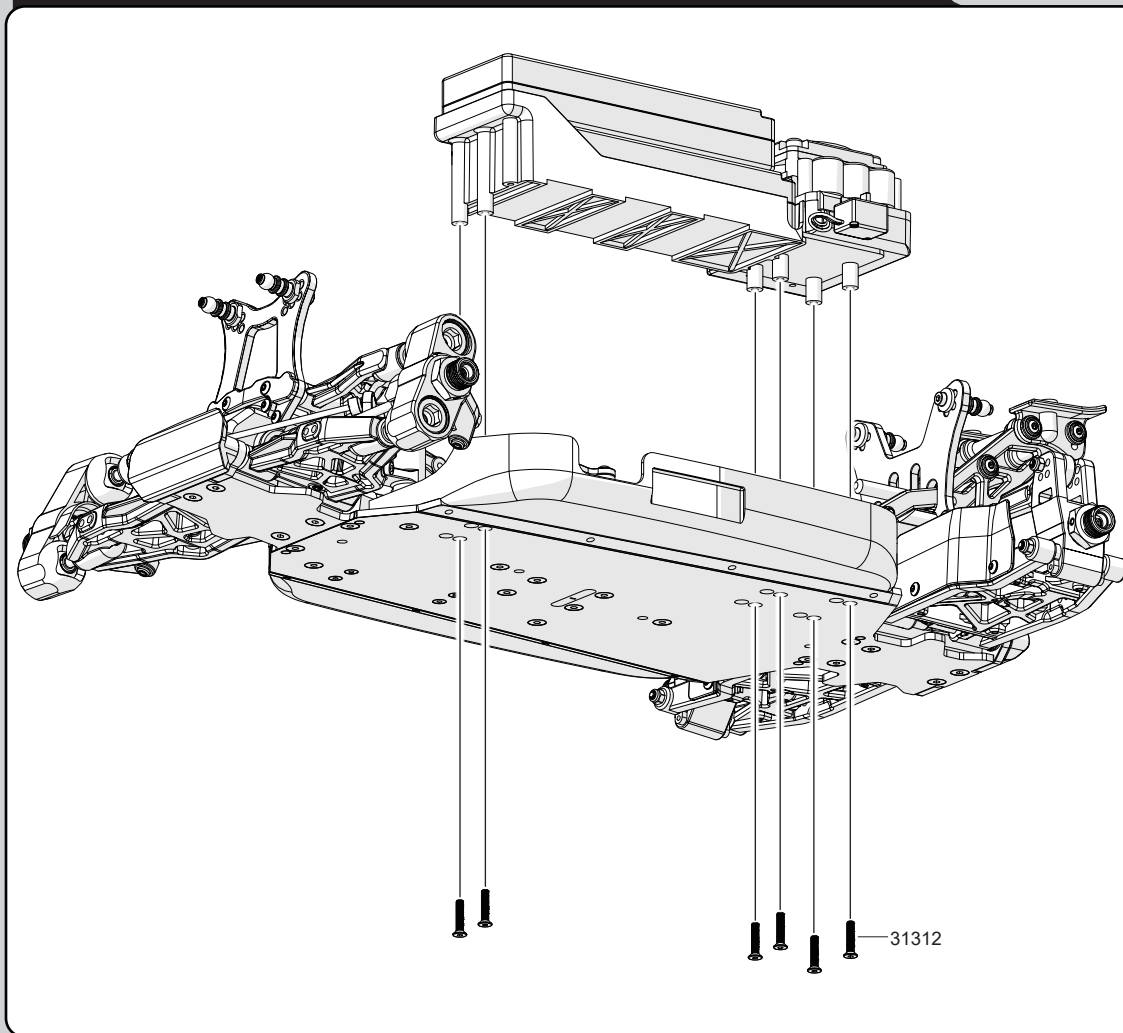


40



31312
M3x12 x6
F/H Screw

Battery Box And Electric Speed Controller Assembly

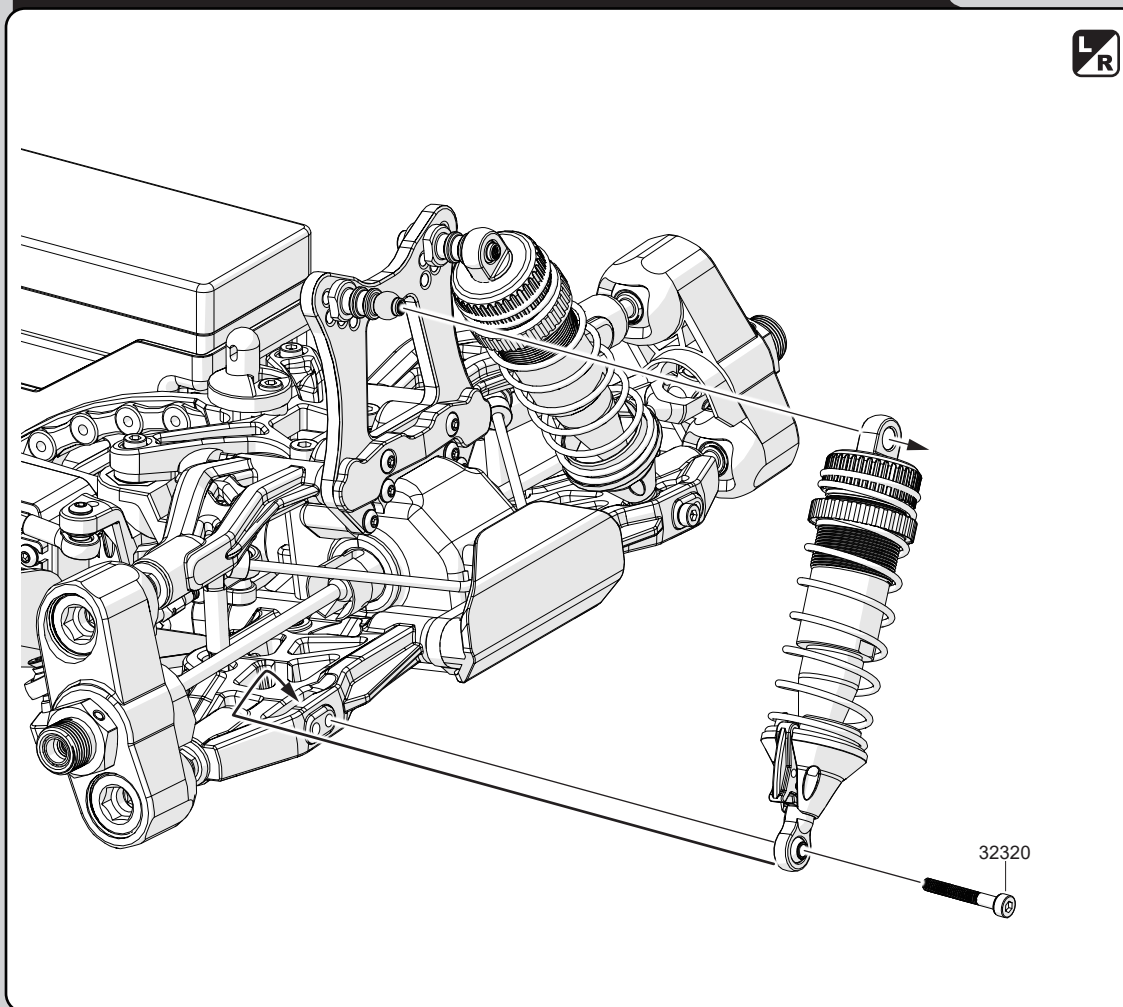


41



32320
M3x20 x2
Cap Screw

Front Shock Assembly

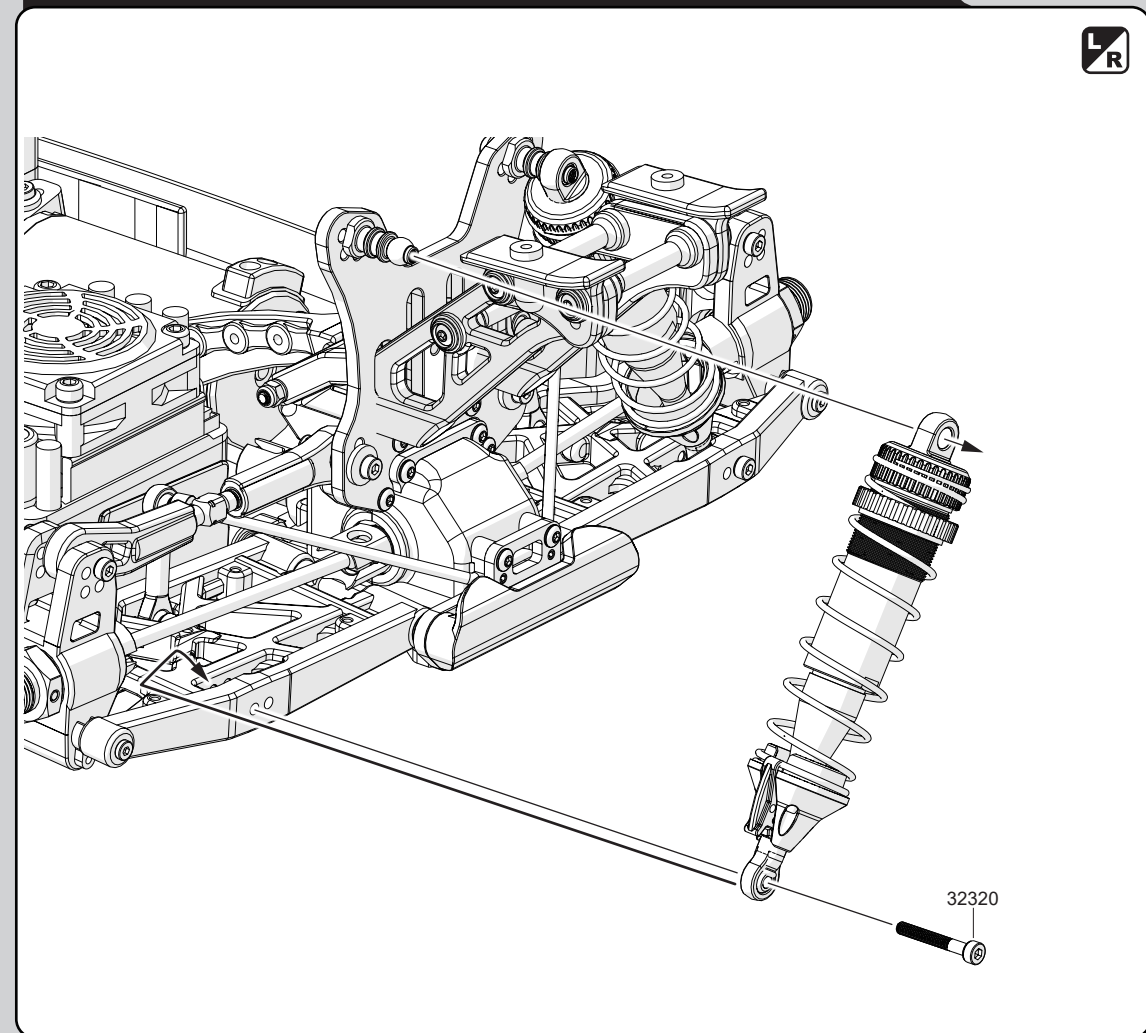


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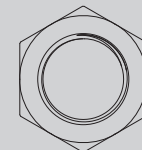


32320
M3x20 x2
Cap Screw

Rear Shock Assembly



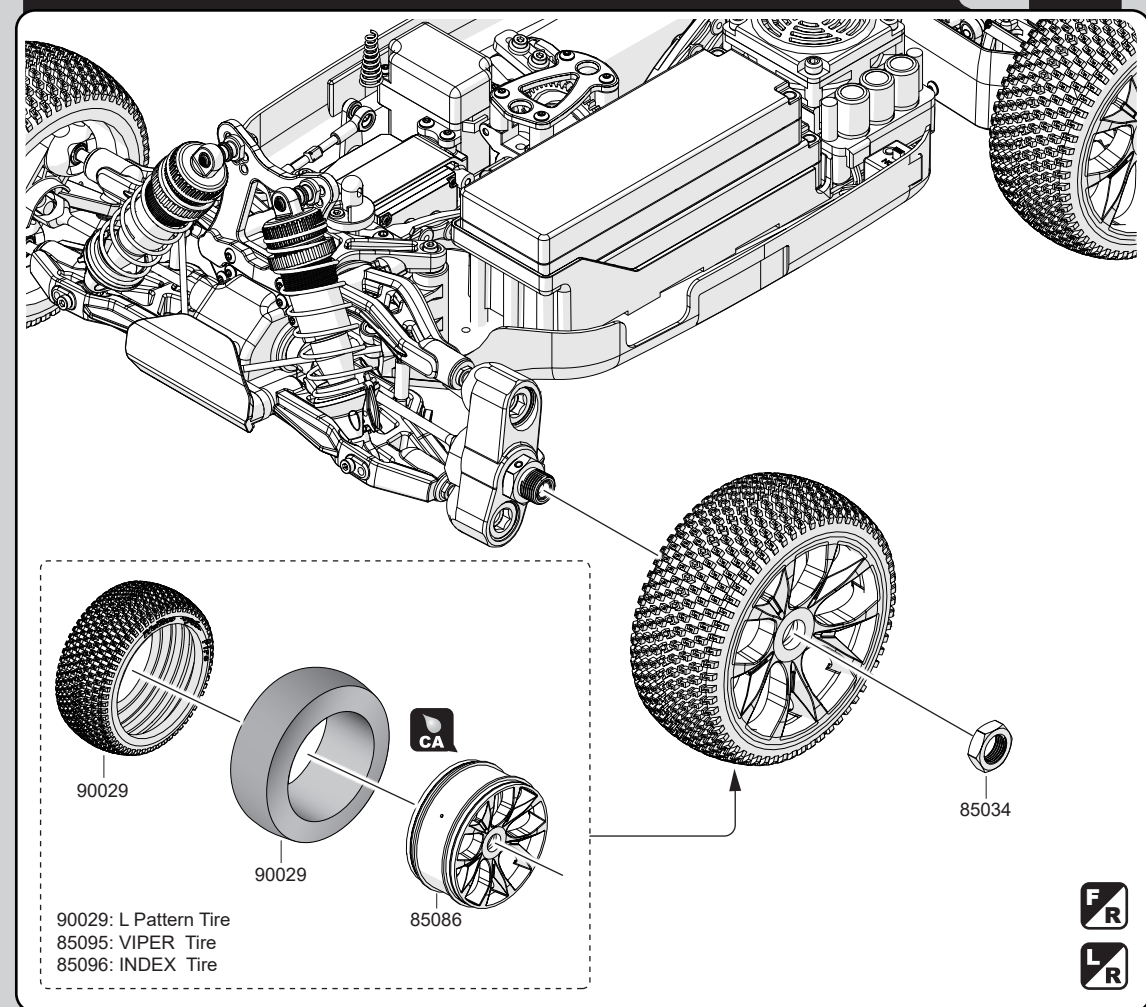
43



85034
Wheel Hex Nut x4

Tire Assembly

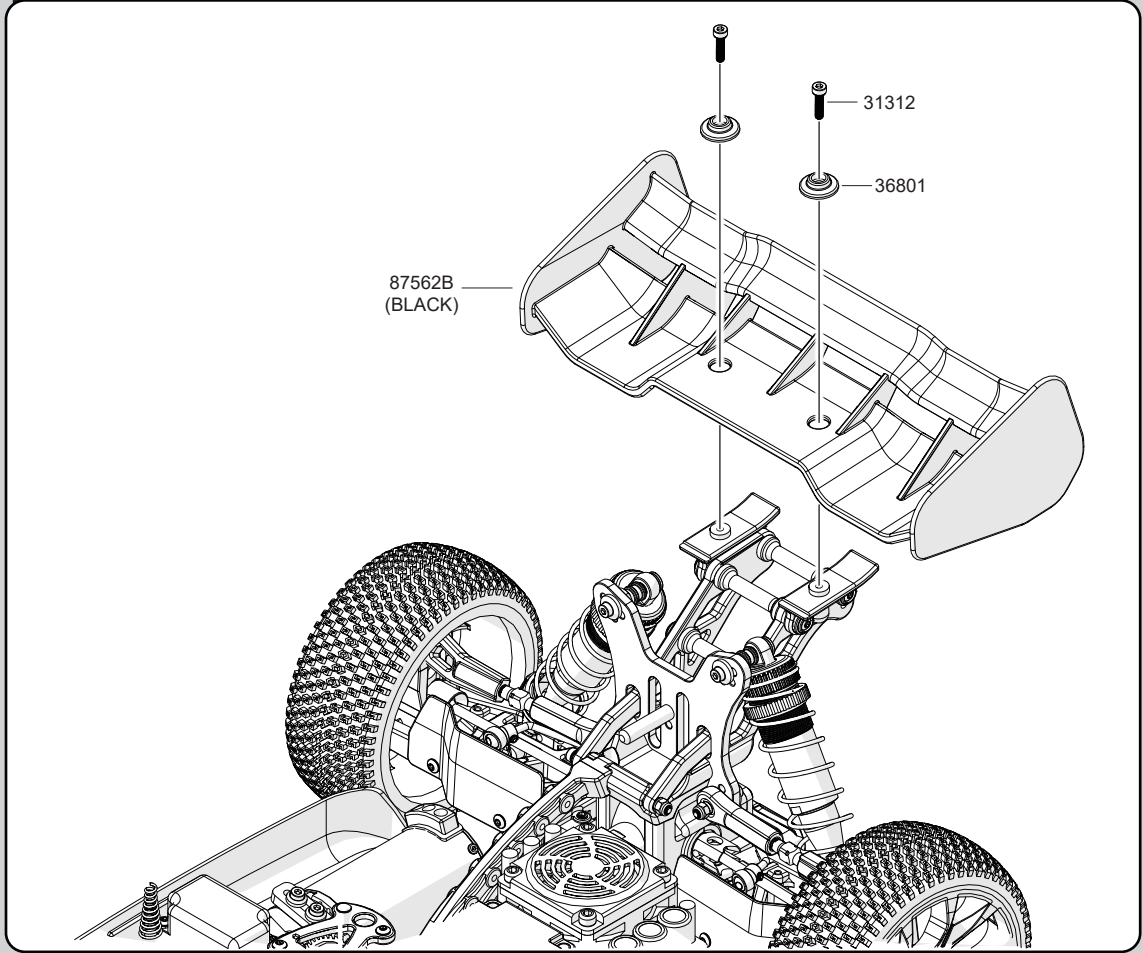
x4



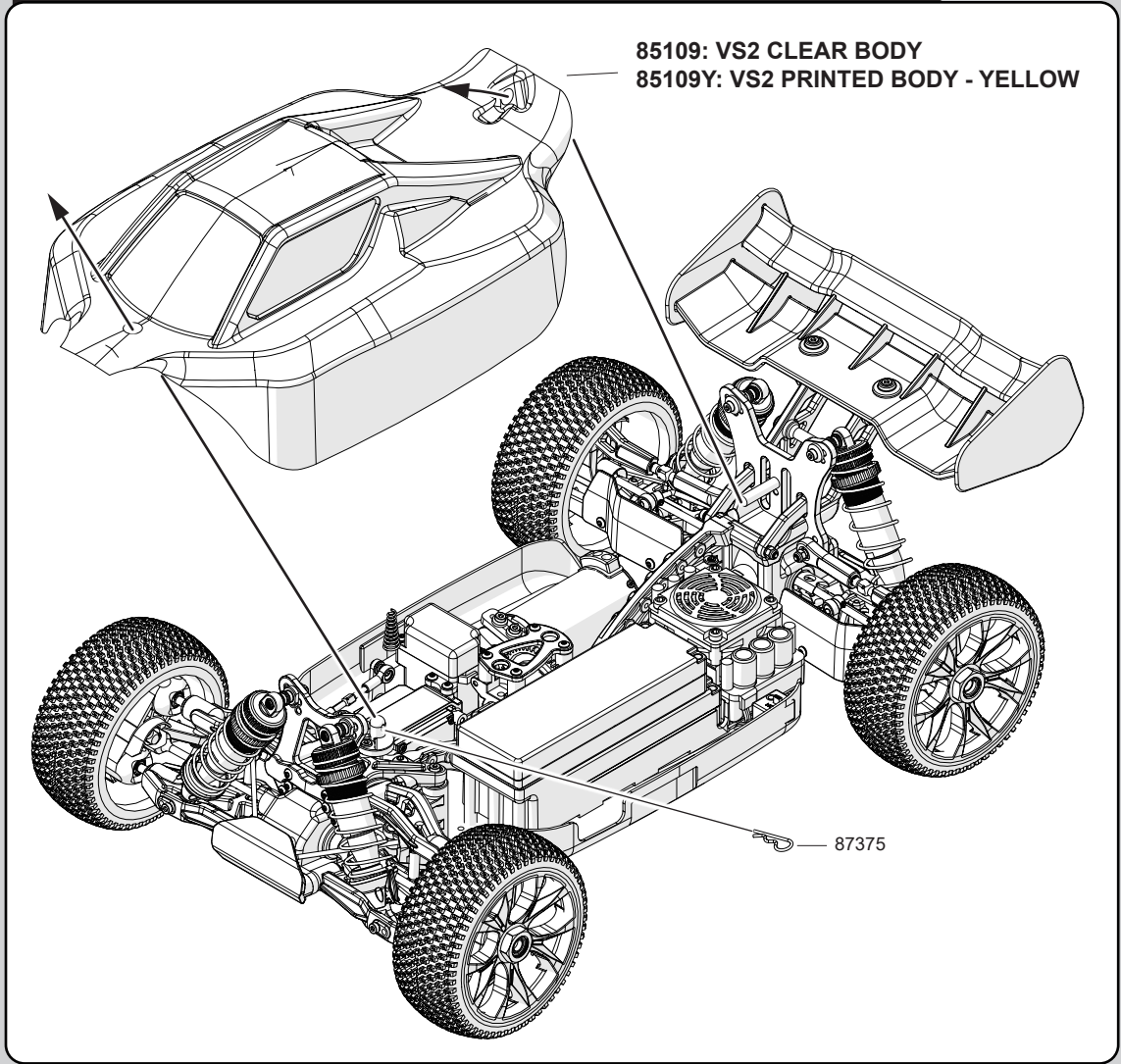


32312
M3x12 x2
Cap Screw

Tire Assembly



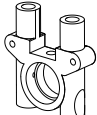
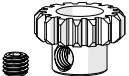
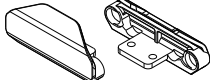
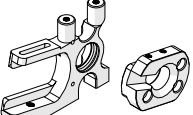
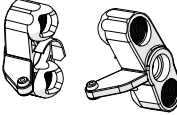
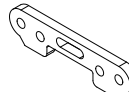
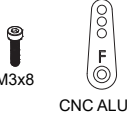
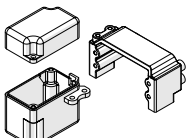
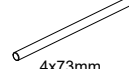
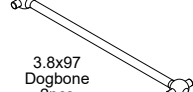
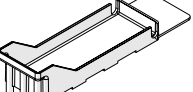
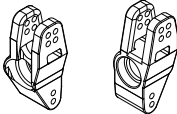
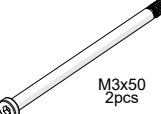
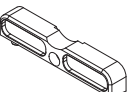
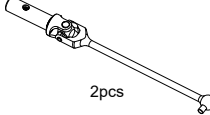
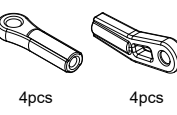
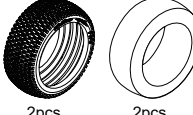
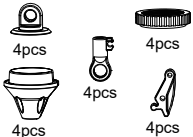
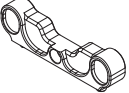
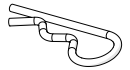
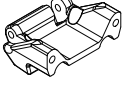
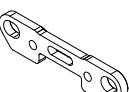
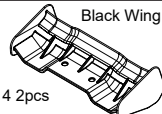
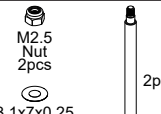
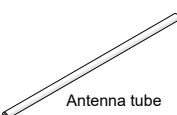
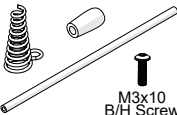
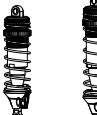
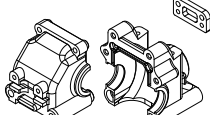
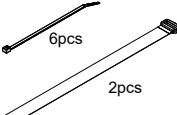
Body And Wing Assembly

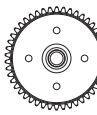
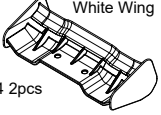
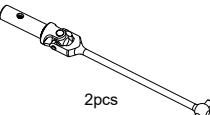
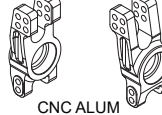
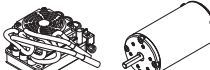
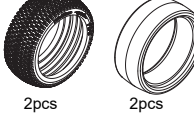
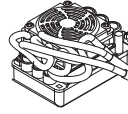
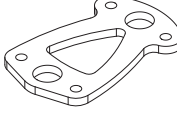
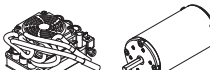
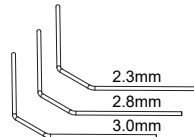
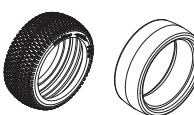
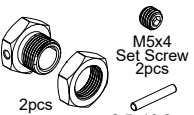
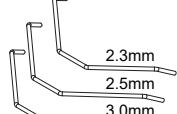
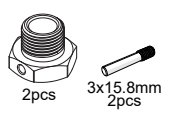
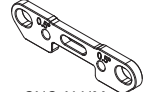
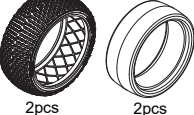
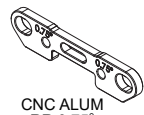
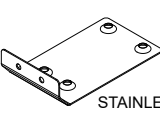
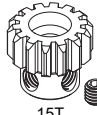


HYPERVS2

Electric **PARTS LIST**

36001 2.5x13.8mm Pin 4pcs	85022 2pcs	85071 2pcs	85087 3x43mm Alum 7075	85099 CNC Alum	85116 2pcs
36101 5.8x1.9mm O-ring 10pcs	85026 2pcs 2pcs	85072 CNC Alum	85088 4x40mm Alum 7075 2pcs	85102 6.1x13.9x0.15 Washer 6pcs	85117 2pcs
36801 4pcs	85028 2pcs	85078 2pcs	85089 5x50mm Alum 7075 2pcs	85109 Clear Body	87005-2 6.1x13.9x0.15 Washer 6pcs
84076 8x16x5mm 4pcs	85031 2.5x16.8mm 2pcs	85079 CNC Alum	85090 6.8mm Alum 7075 4pcs	85109Y Yellow Body	87006 2.5x13.8mm Pin 2pcs
84078 6x10x3mm 4pcs	85034 2pcs	85080 CNC Alum	85091 6.8mm Alum 7075 4pcs	85110 5.8x1.9x2mm O-ring 2pcs	87021 M4x4 Set Screw 2pcs
85002 Rear 2pcs	85066 2pcs	85081 CNC Alum	85092 6.8mm Alum 7075 4pcs	85111 M3x15 4pcs	87027-1 2.5x16.8mm Pin 4pcs
85004 2.5x13.8mm Pin 2pcs	85067 2.5x13.8mm Pin 2pcs	85082 2pcs	85093 6.8mm Alum 7075 4pcs	85112 5.8mm Alum 7075 4pcs	87028 2.5x13.8mm Pin 2pcs
85009 3x43mm Alum 7075	85068 2pcs	85083 Rear Body Post	85094 7.8mm Alum 7075 4pcs	85113 2pcs	87037 2pcs
85011 4x43.5mm Pin 2pcs	85069 2pcs Alum	85084 3.8x97 Dogbone	85095 VIPER Tire	85114 CNC Alum	87044S 4pcs
85018 2pcs	85070 2pcs Alum	85086 2pcs	85096 INDEX Tire	85115 2pcs	87046 6pcs

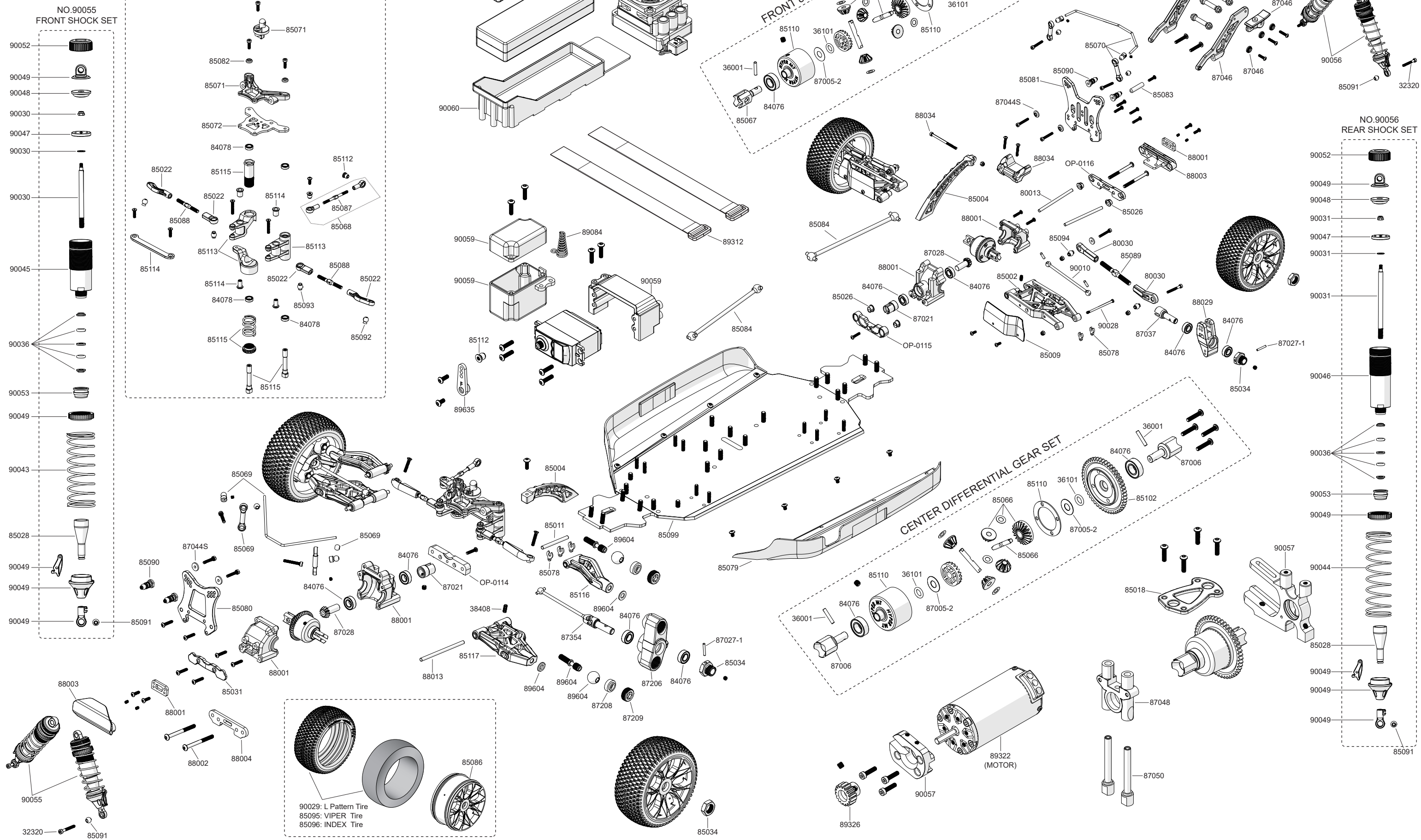
87048  2pcs	88002  M4x47 Screw 4pcs	89326  16T	90044  2pcs	90056  2pcs	
87050  4pcs	88003 	89604  4pcs 2pcs 4pcs 6pcs	90045  2pcs	90057 	
87206 	88004 	89635  M3x8 CNC ALUM	90046  2pcs	90059 	
87208  8pcs	88013  4x73mm Pin 4pcs	90010  3.8x97 Dogbone 2pcs	90047  4pcs	90060 	
87209  4pcs	88029 	90028  M3x50 2pcs	90048  4pcs	OP-0114  FR CNC ALUM	
87354  2pcs	88030  4pcs 4pcs	90029  L Pattern Tire 2pcs 2pcs	90049  4pcs 4pcs 4pcs 4pcs	OP-0115  RF CNC ALUM	
87375  6pcs	88034  M3 Nut M3x50 Screw	90030  M2.5 Nut 2pcs 3.1x7x0.25 Washer 2pcs	90052  2pcs	OP-0116  RR CNC ALUM	
87562B  Black Wing M3x14 2pcs Washer 2pcs	88039  4pcs	90031  M2.5 Nut 2pcs 3.1x7x0.25 Washer 2pcs	90053  2pcs		
87613  Antenna tube	89084  M3x10 B/H Screw 1pcs	90036  4x2mm O-ring 10pcs 5pcs 5pcs	90054  2pcs 2pcs		
88001 	89312  6pcs 2pcs	90043  2pcs	90055  2pcs		

OPTIONAL PARTS					
		OP-0007  47T	87562  White Wing M3x14 2pcs Washer 2pcs	89327  16T	
		OP-0009  2pcs	88036  3pcs	89328  13T	
		OP-0045  Front 2pcs	89147  CNC ALUM	89340WP  100A ESC. 2000KV MOTOR	
		OP-0046  Rear 2pcs	89154  2pcs 2pcs	89341WP  100A ESC.	
		OP-0107  Graphite	89170B/Y  2pcs	89420WP  150A ESC. 2000KV MOTOR	
		OP-0110  2.3mm 2.8mm 3.0mm	89171S  2pcs 2pcs	94018  M5x4 Set Screw 2pcs 2.5x16.8mm 2pcs	
		OP-0111  2.3mm 2.5mm 3.0mm	89172S  2pcs 2pcs	94071  2pcs 3x15.8mm 2pcs	
		OP-0117  CNC ALUM RR 0.5"	89311  14T	BT-101  2pcs 2pcs	
		OP-0118  CNC ALUM RR 0.75"	89322  2000KV MOTOR		
		OP-0122  STAINLESS	89325  15T		

2324

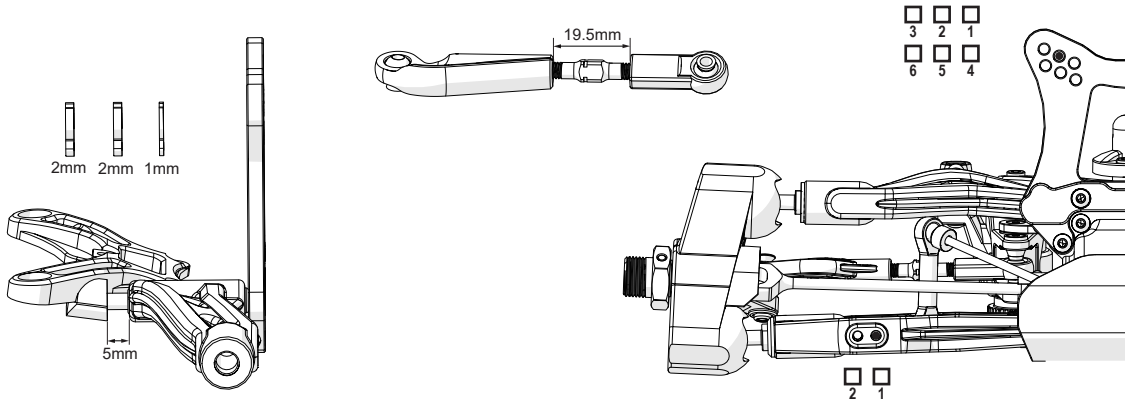
HYPER VS2

Electric

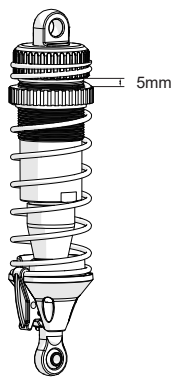


Name:	Date:
Track:	Event:
Note:	

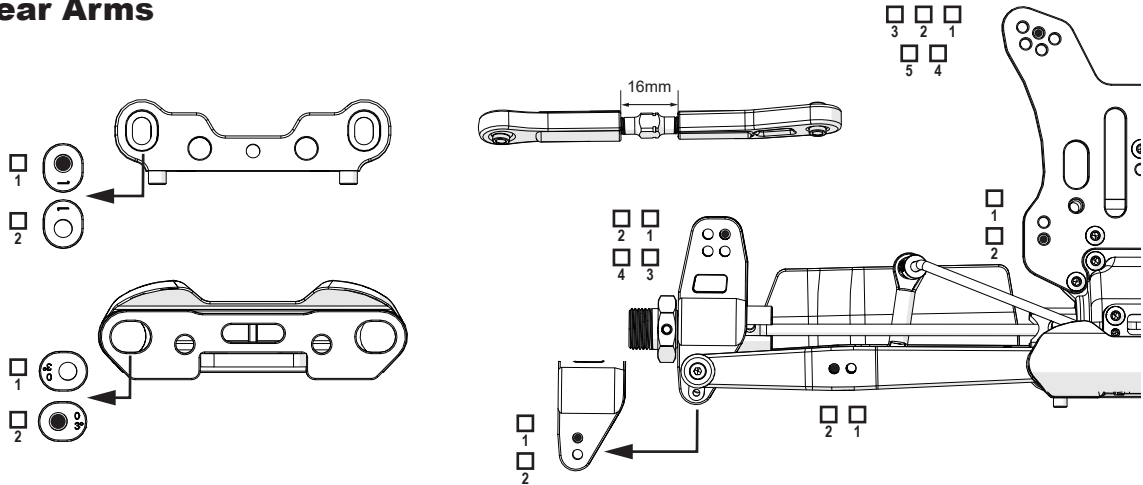
Front Arms



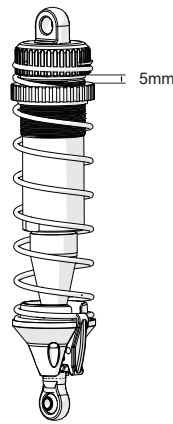
Front Shock



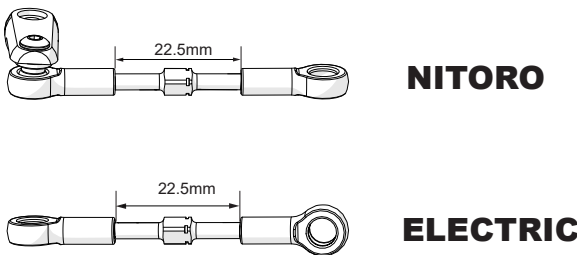
Rear Arms



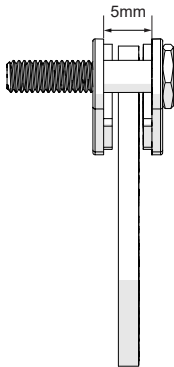
Rear Shock



Servo Linkage Set For Steering

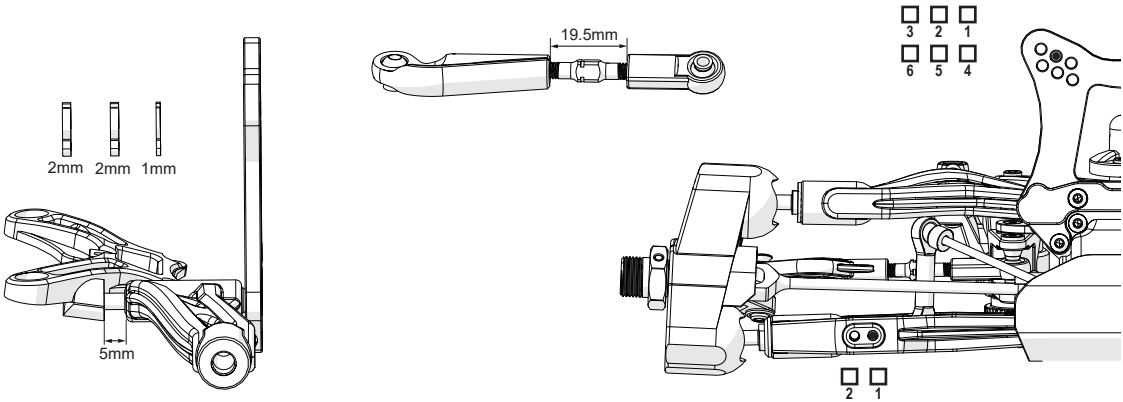


Brake Disc

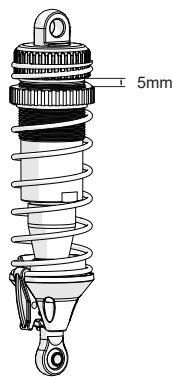


Name:	Date:
Track:	Event:
Note:	

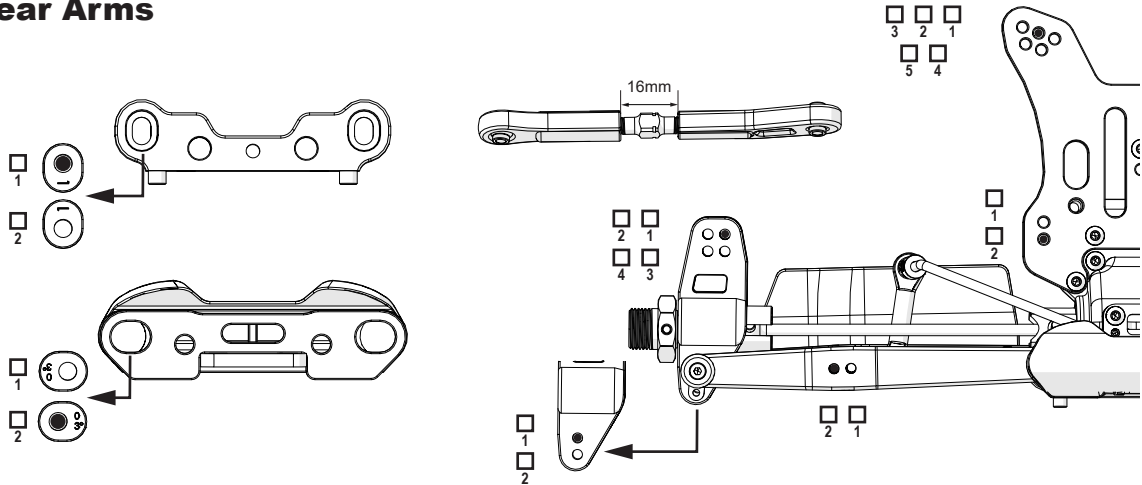
Front Arms



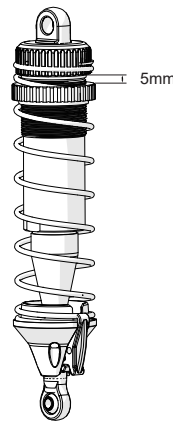
Front Shock



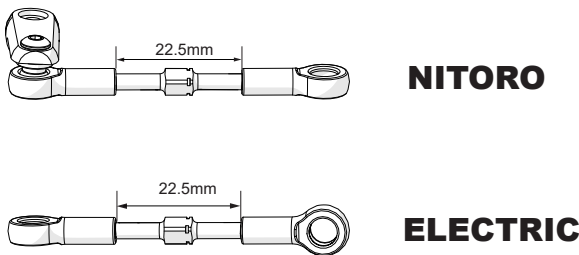
Rear Arms



Rear Shock



Servo Linkage Set For Steering



Brake Disc

