

GTB EP

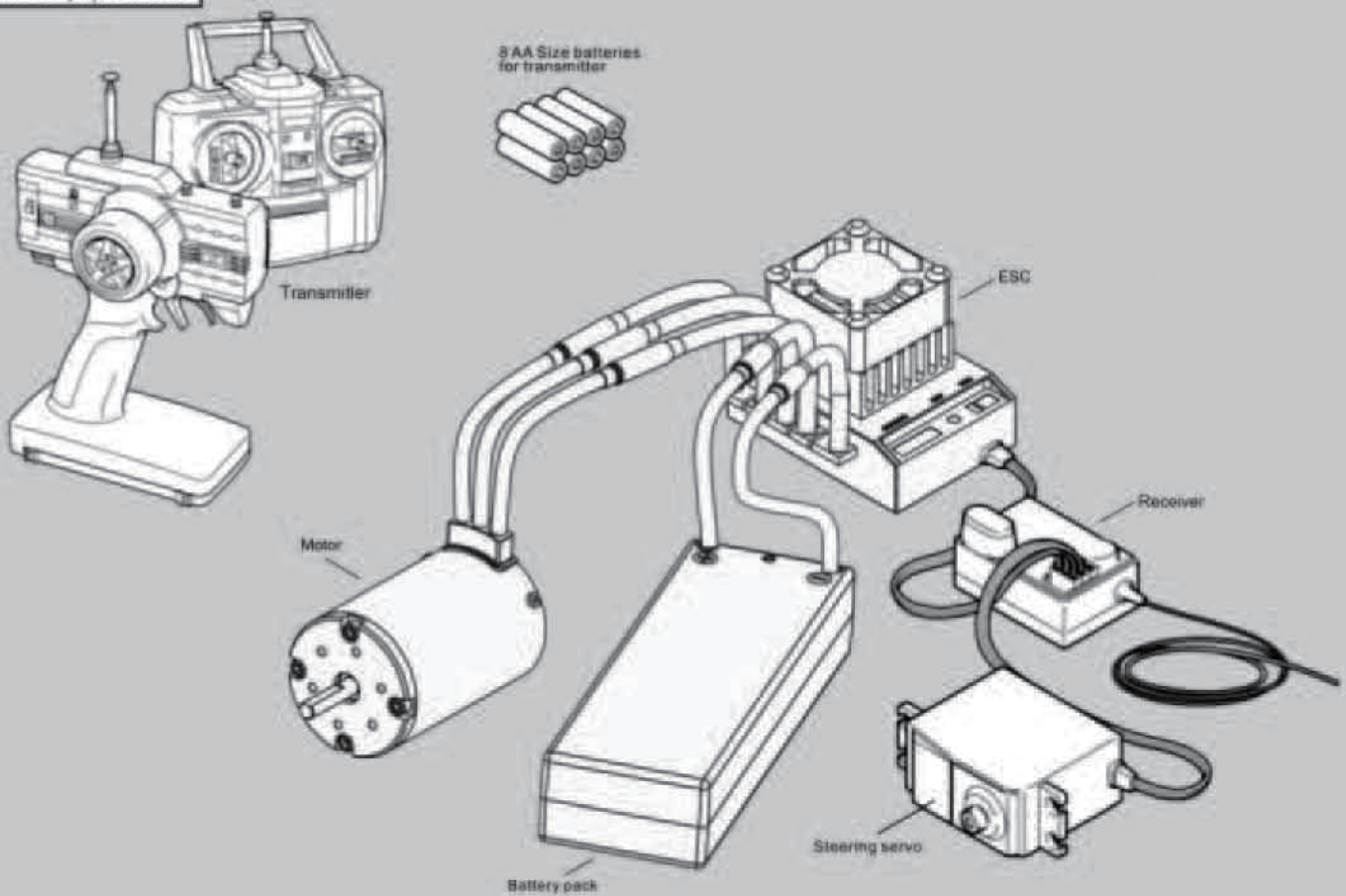


INSTRUCTION MANUAL
Hobao Racing

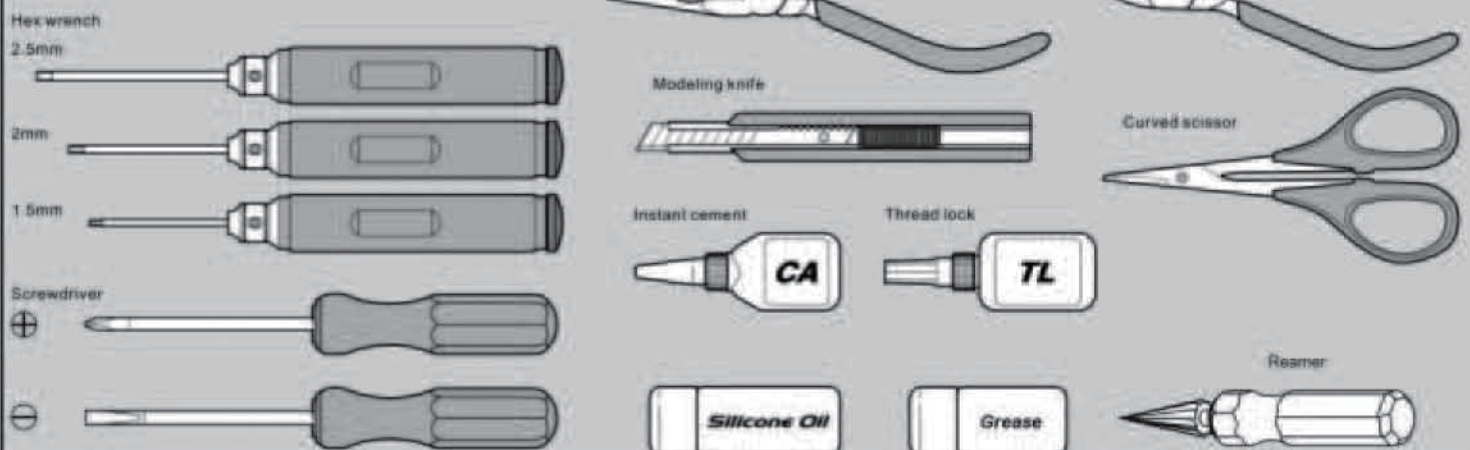
GTB

Required

Radio control equipment set



Tools recommended



Included items



Shock Assembly



90030(90071)
M2.6 Nut x4



90030(90071)
3.1x7x0.25mm x4
Washer



90036
O-ring Shield x8



90036
4x8mm x8
O-Ring

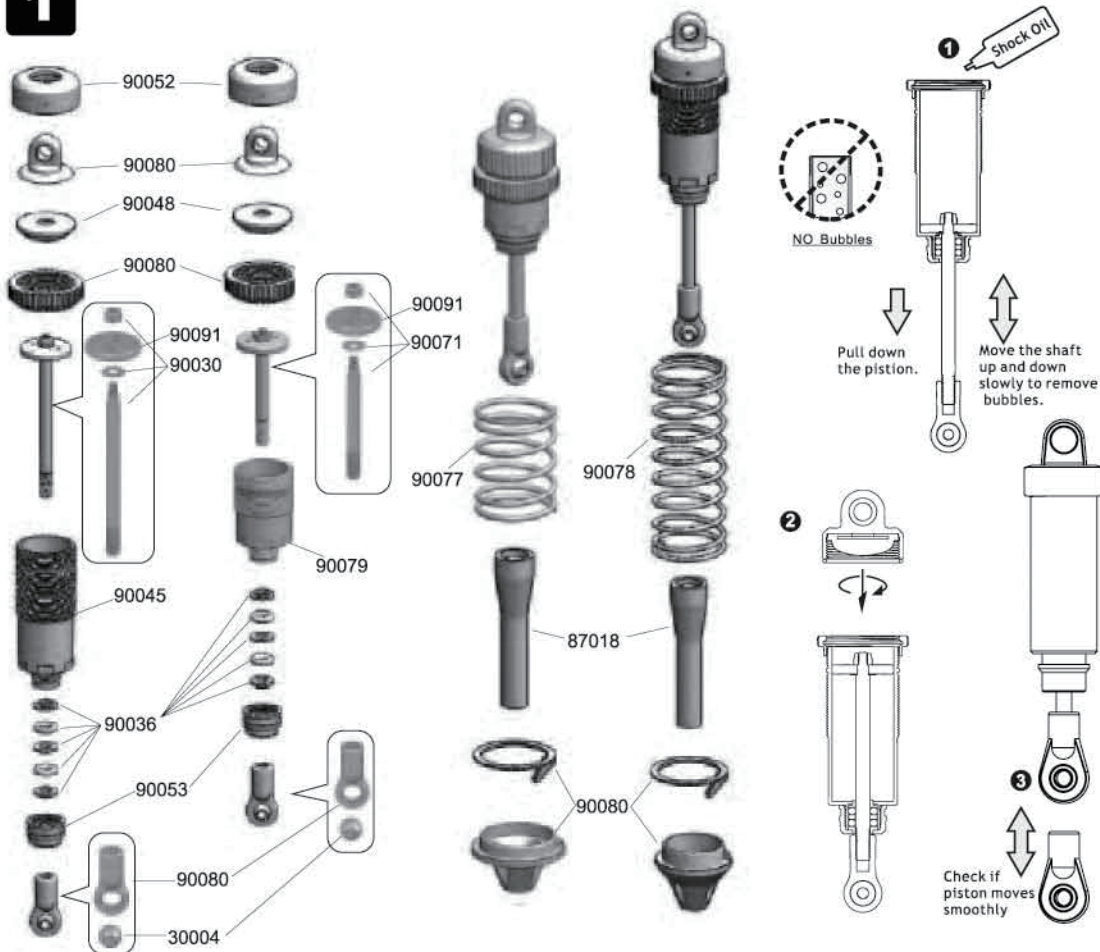


90036
4.05x7.98x1.2mm x4
Washer



30004
6.8mm x4
Ball

1



Center Differential Assembly



87004
4x4mm x1
Set Screw



33312
3x12mm x4
B/H Screw



36001
2.5x13.8mm x2
Pin



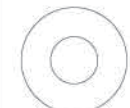
36101
5.8x1.9mm x2
O-Ring



84076
8x16x5mm x2
Ball Bearing

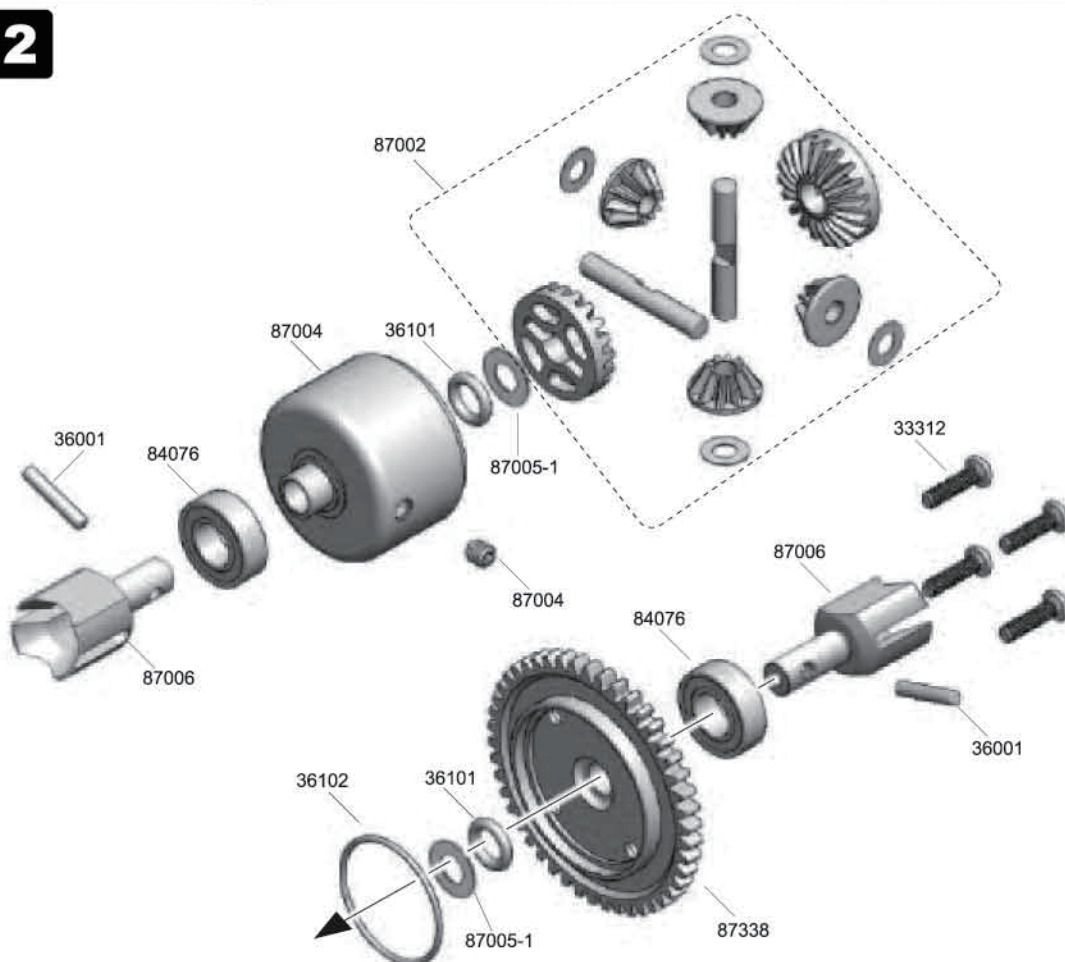


87002
4x26.8mm x2
Shaft



87005-1
6.2x13.9x0.15mm x1
Washer

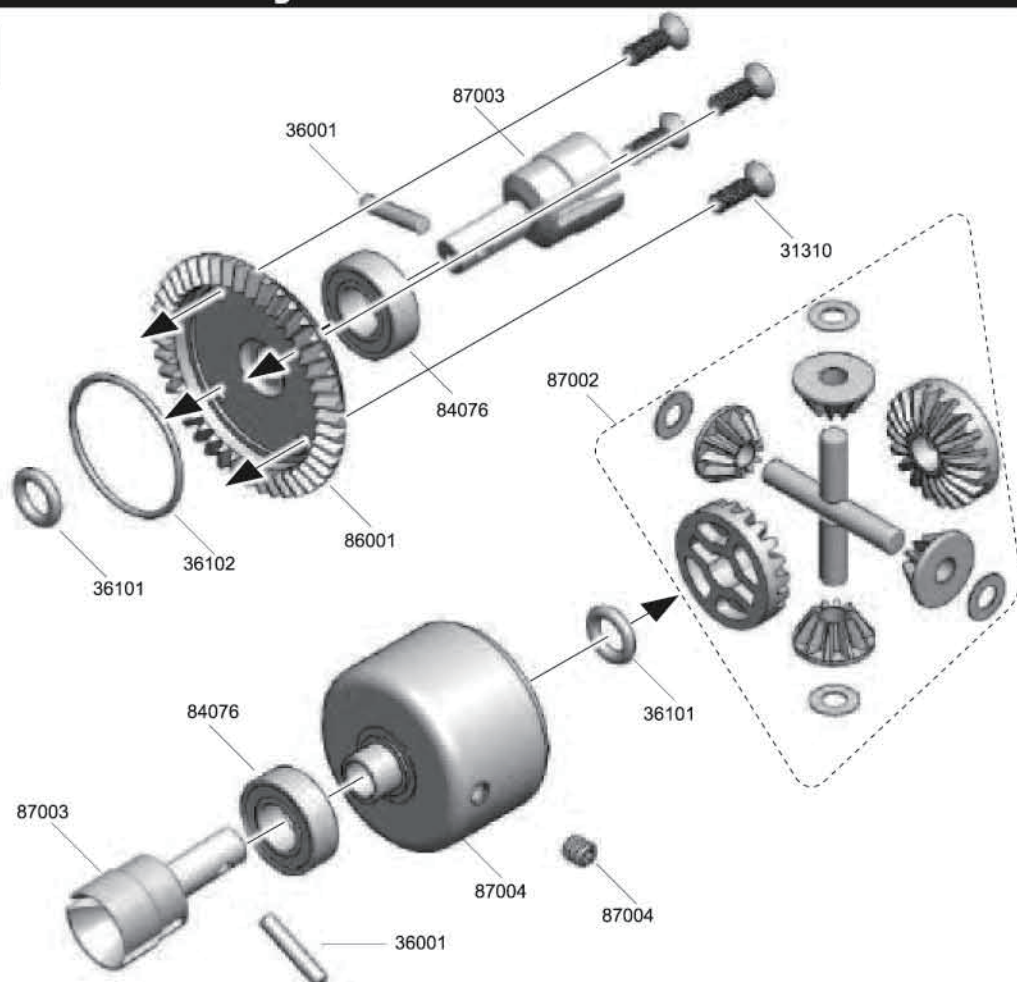
2



Front/Rear Differential Assembly

-  87004
4x4mm x1
Set Screw
-  31310
3x10mm x4
F/H Screw
-  36001
2.5x13.8mm x2
Pin
-  36101
5.8x1.9mm x2
O-Ring
-  84076
8x16x5mm x2
Ball Bearing
-  87002
4x26.8mm x2
Shaft

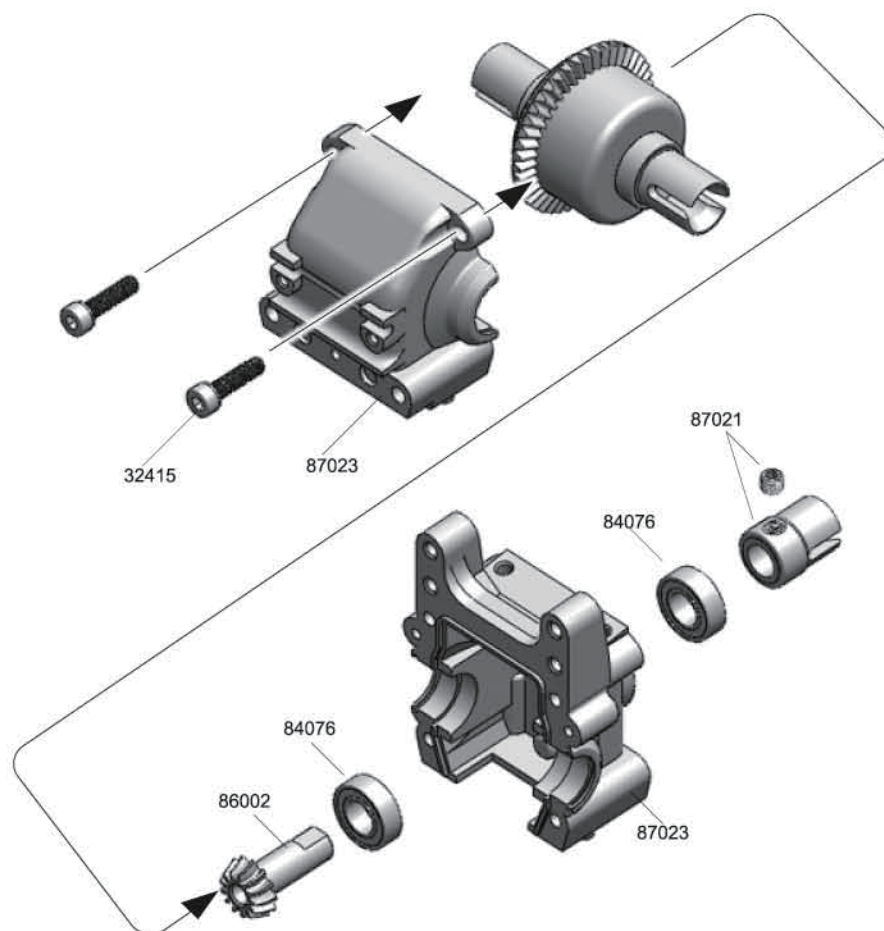
3



Front/Rear Gear Box Assembly

-  87021
5x4mm x1
Set Screw
-  32415
4x15mm x2
Cap Screw
-  84076
8x16x5mm x2
Ball Bearing

4



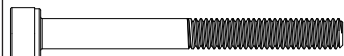
Front Lower Arm Holder Assembly



33310
3x10mm x2
B/H Screw

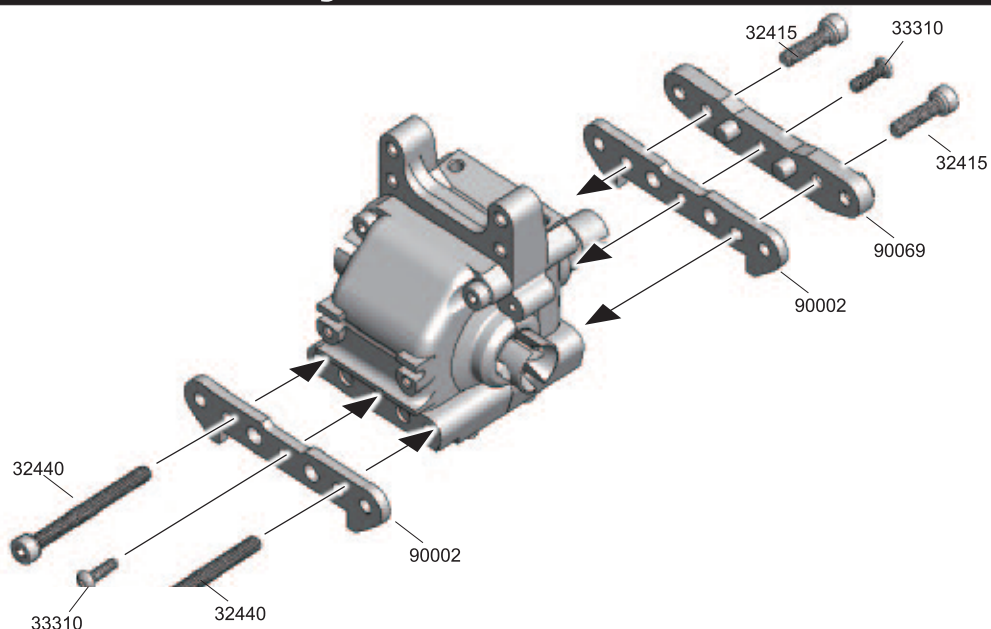


32415
4x15mm x2
Cap Screw



32440
4x40mm x2
Cap Screw

5



Front Shock Tower Assembly



33312
3x12mm x2
B/H Screw



32316
3x16mm x2
Cap Screw

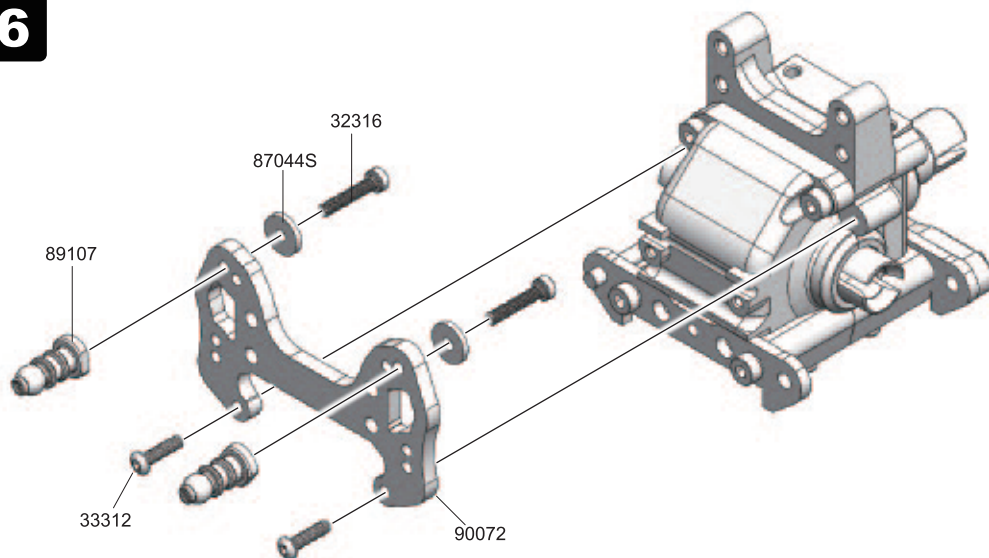


87044S
3x10mm x2
Alum. Washer



89107
6.8mm x2
Shock Ball Stud

6



Steering Knuckle Assembly



87027
5x5mm x2
Set Screw



90038
3x8mm x4
Set Screw



31318
3x18mm x2
F/H Screw



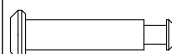
39008
M3 Nut x2



87027
3x16.8mm x2
Pin

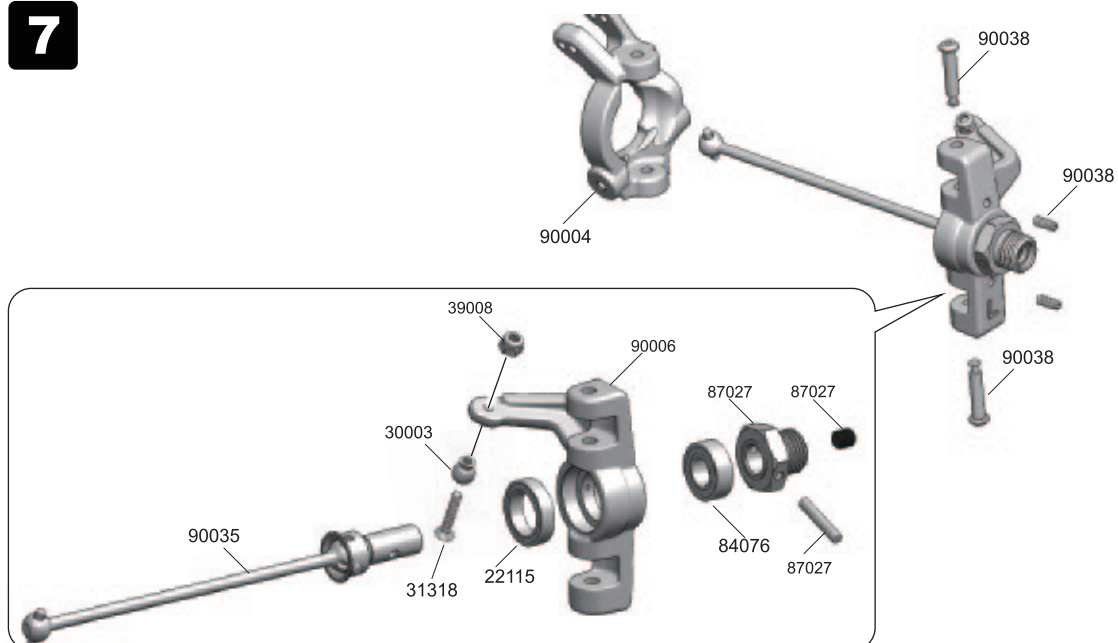


30003
6.8mm x2
Steering Ball



90038
Hinge Pin x4

7



Front Suspension Arm Assembly 1



39008
M3 Nut x2



30002
7.8mm x2
Ball Long



35412
4x12mm x2
B/H Screw



90005
4x18mm x4
B/H Screw

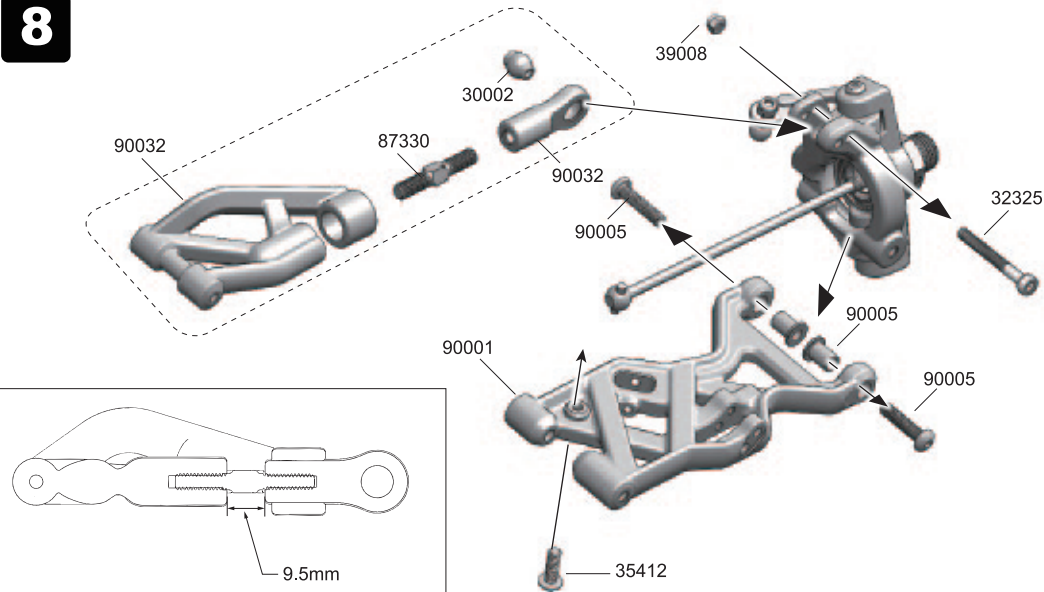


32325
3x25mm x2
Cap Screw

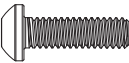


87330
5x31mm x2
Turnbuckle

8



Front Suspension Arm Assembly 2



33414
4x14mm x4
B/H Screw

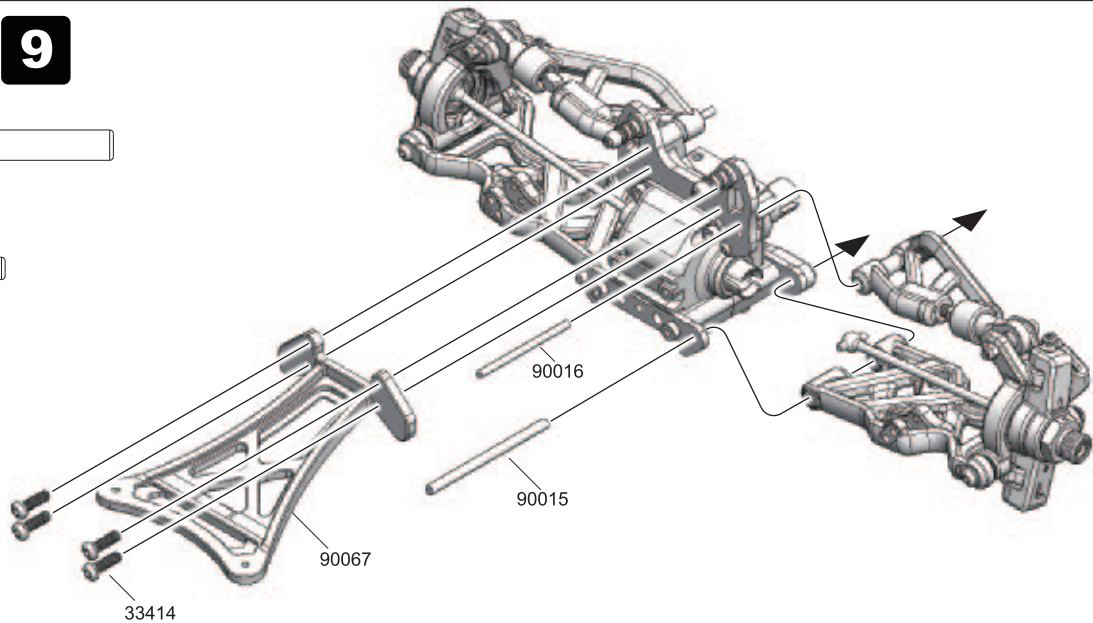


90015
4x63mm x2
Shaft



90016
3x48mm x2
Shaft

9



Front Stabilizer Assembly



90033
3x3mm x2
Set Screw



32320
3x20mm x2
Cap Screw

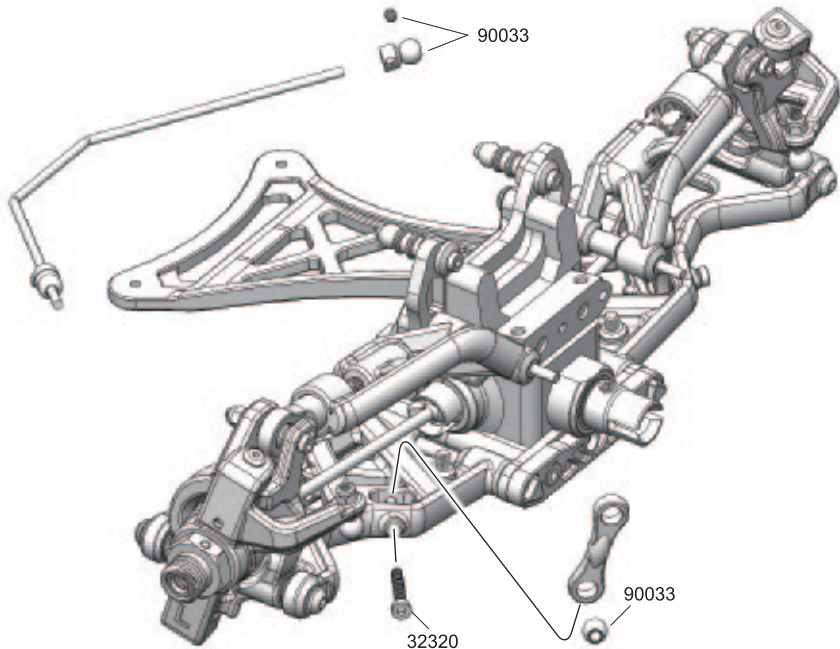


90033
6.8mm x2
Ball



90033
6.8mm x2
Pivot Ball

10

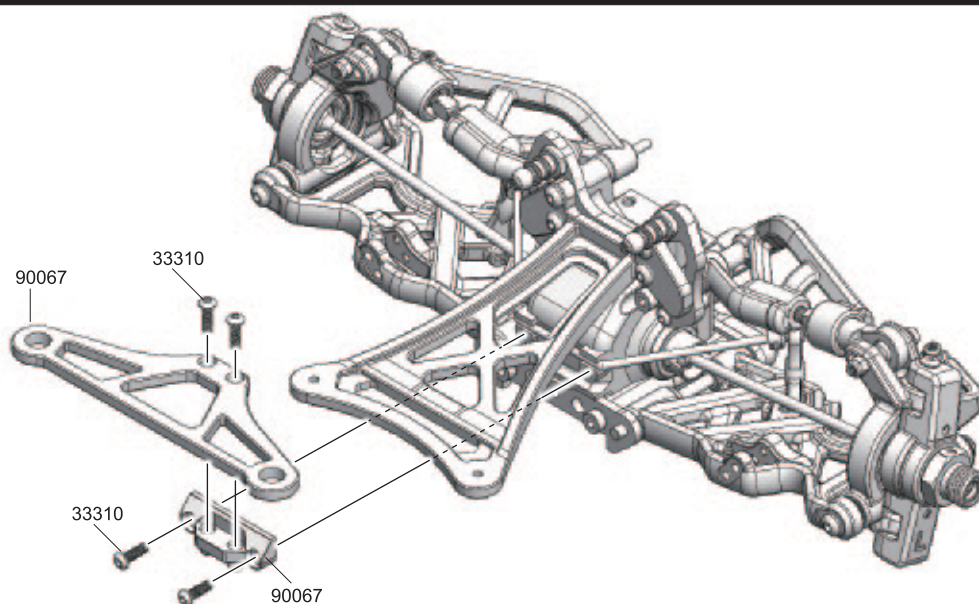


Front Bumper Assembly 1



33310
3x10mm x4
B/H Screw

11



Front Bumper Assembly 2



33310
3x10mm x2
B/H Screw

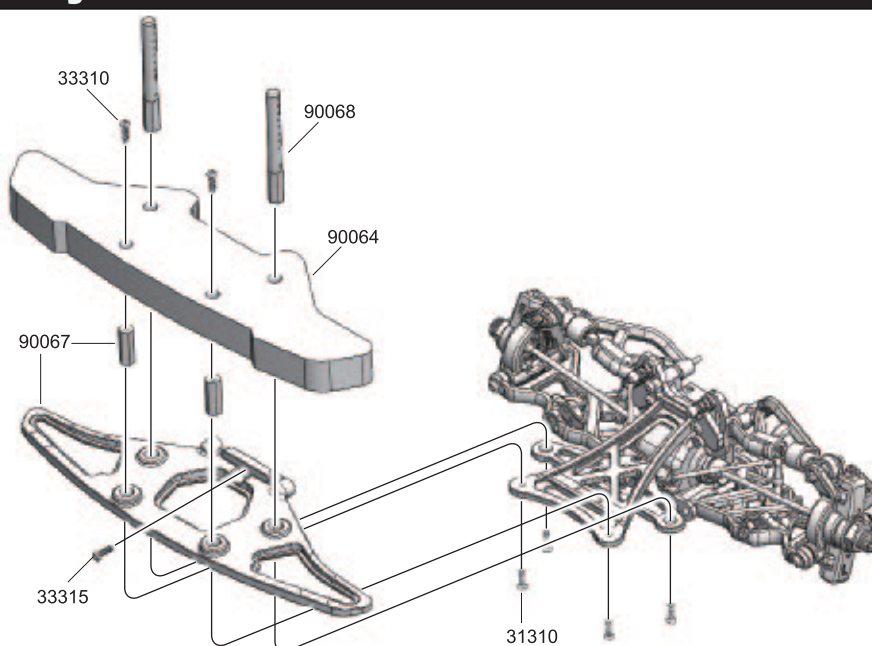


31310
3x10mm x4
F/H Screw

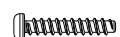


33315
3x15mm x1
B/H Screw

12

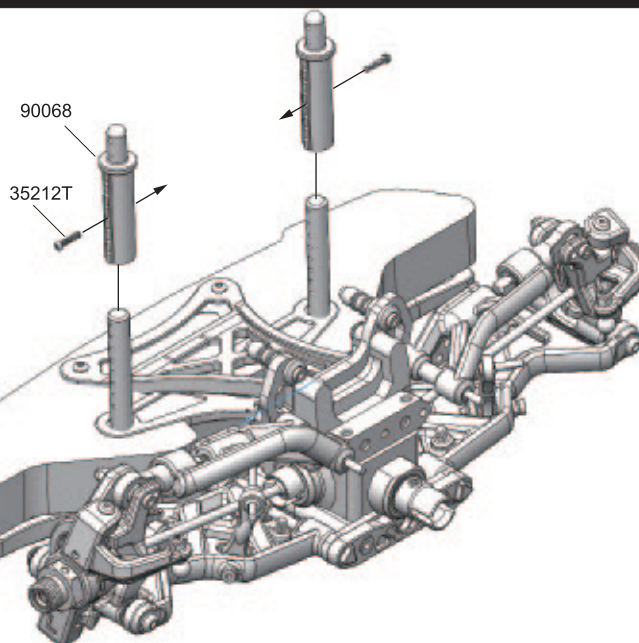


Front Body Post Assembly



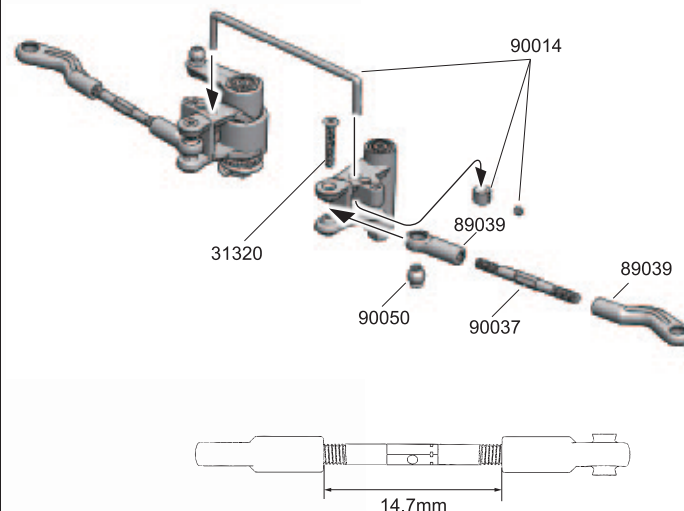
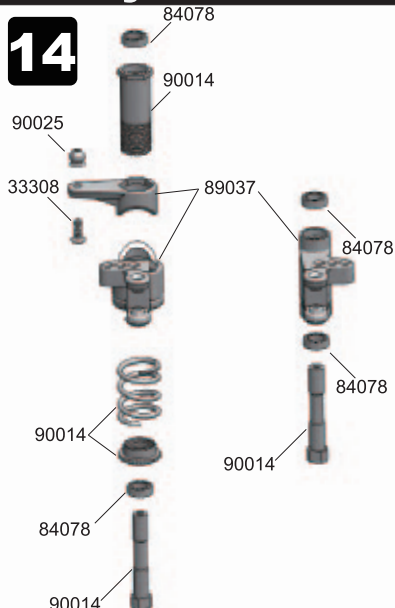
35212T
2x12mm x2
B/H Tap Screw

13



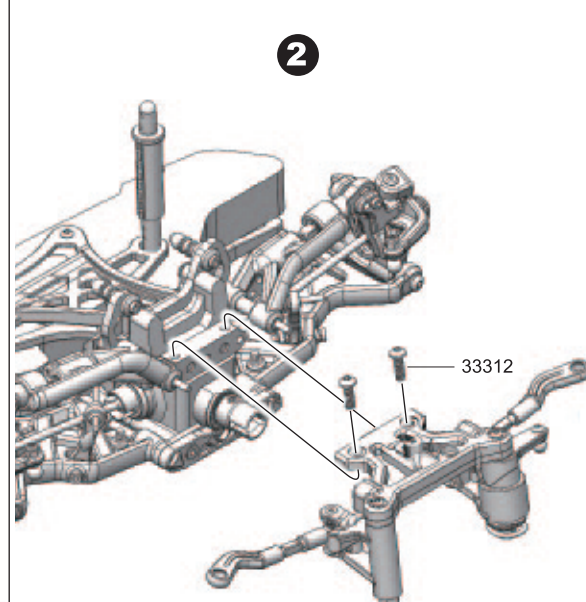
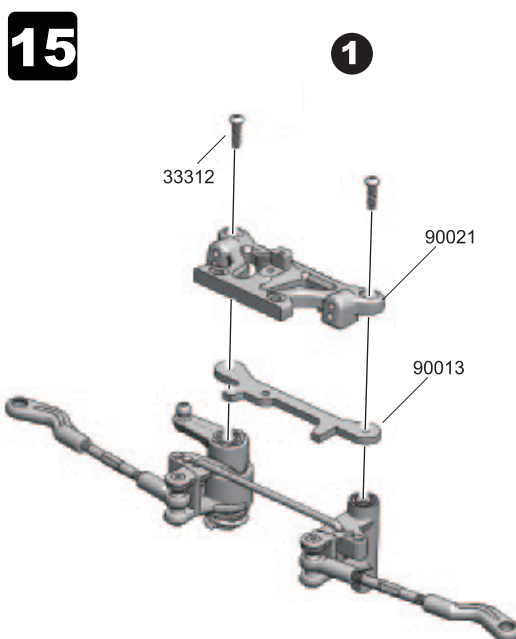
Servo Saver Assembly 1

	38303 3x3mm x2 Set Screw
	33308 3x8mm x1 B/H Screw
	31320 3x20mm x2 F/H Screw
	90025 5.8mm x1 Ball Flanged
	84078 6x10x3mm x4 Ball Bearing
	90050 Ball Flanged x2
	90014 Collet x2

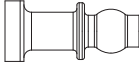


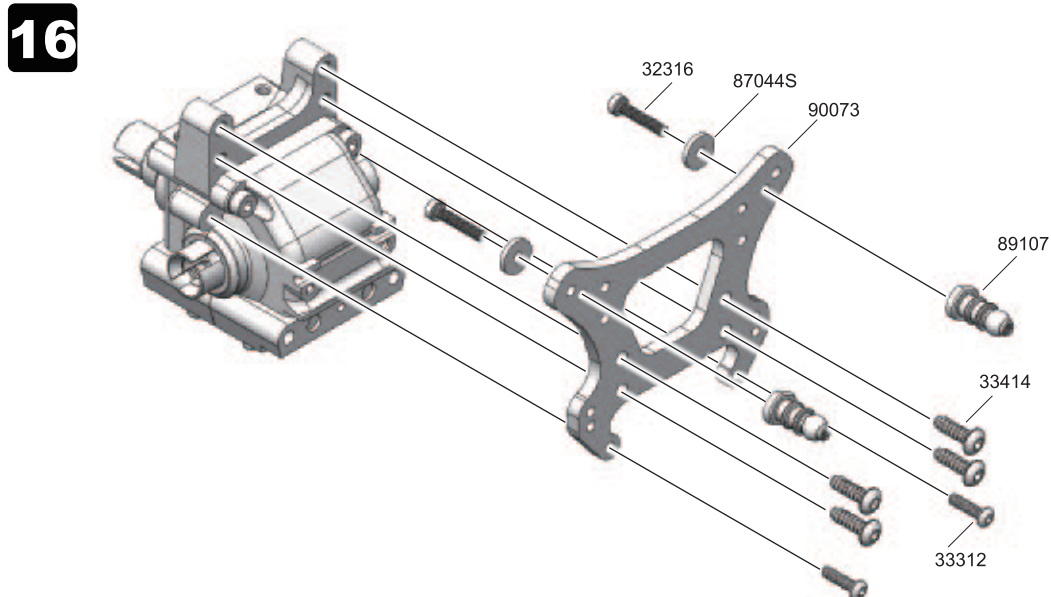
Servo Saver Assembly 2

	33312 3x12mm x2 B/H Screw
	35412 4x12mm x2 B/H Screw



Rear Shock Tower Assembly

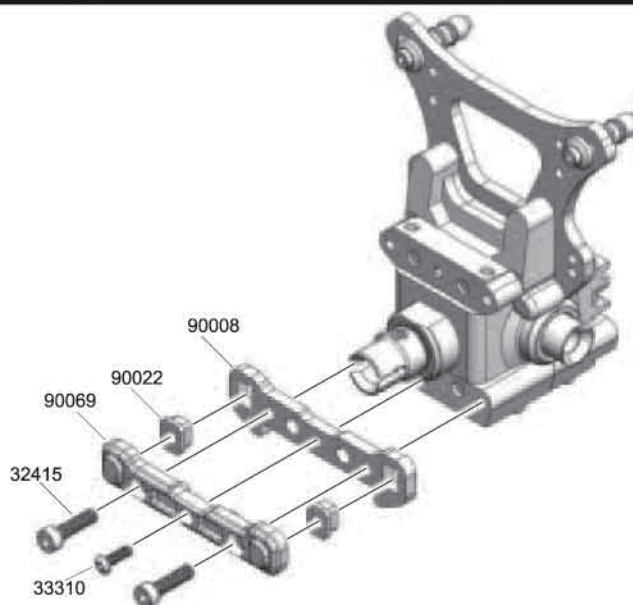
	33312 3x12mm x2 B/H Screw
	33414 4x14mm x4 B/H Screw
	32316 3x16mm x2 Cap Screw
	89107 6.8mm x2 Shock Ball Stud
	87044S 3x10mm x2 Alum. Washer



17



90022
Adjustable Insert
x2



18



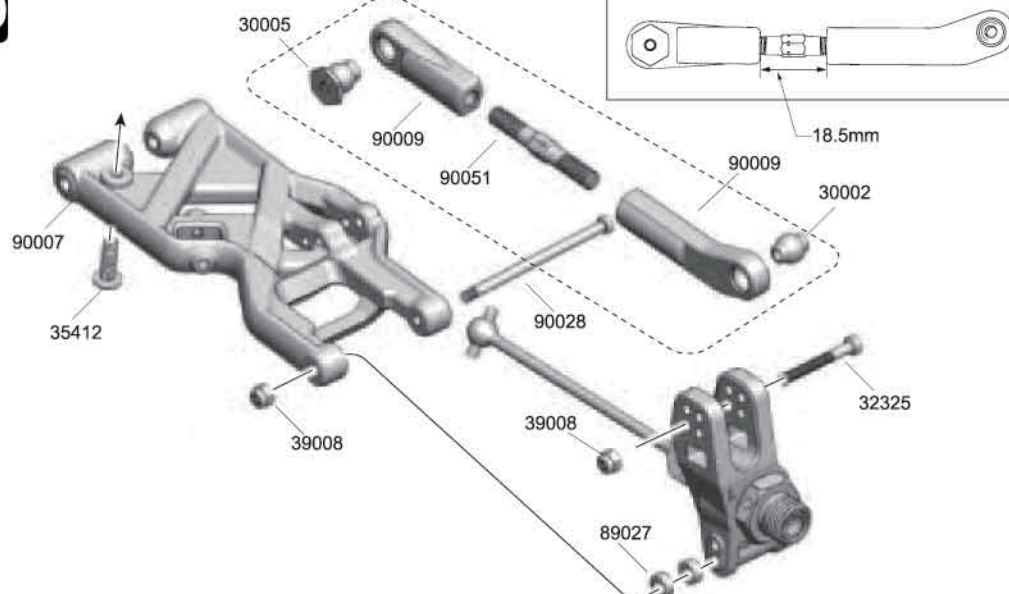
Exploded view diagram of a suspension assembly. The components are labeled as follows:

- 90010: A long, thin rod with a ball joint at one end.
- 87037: A cylindrical component with a flange and a central hole.
- 84076: A small, circular bush or spacer.
- 89027: A large, complex bracket or arm with multiple mounting points.
- 87027: A small, cylindrical component, likely a pin or bolt.
- 87027: A small, cylindrical component, likely a pin or bolt.

19



90028
3x50mm x2
Cap Screw



Rear Suspension Arm Assembly 2



90022
Adjustable Insert
x2

20



32316
3x16mm x2
Cap Screw



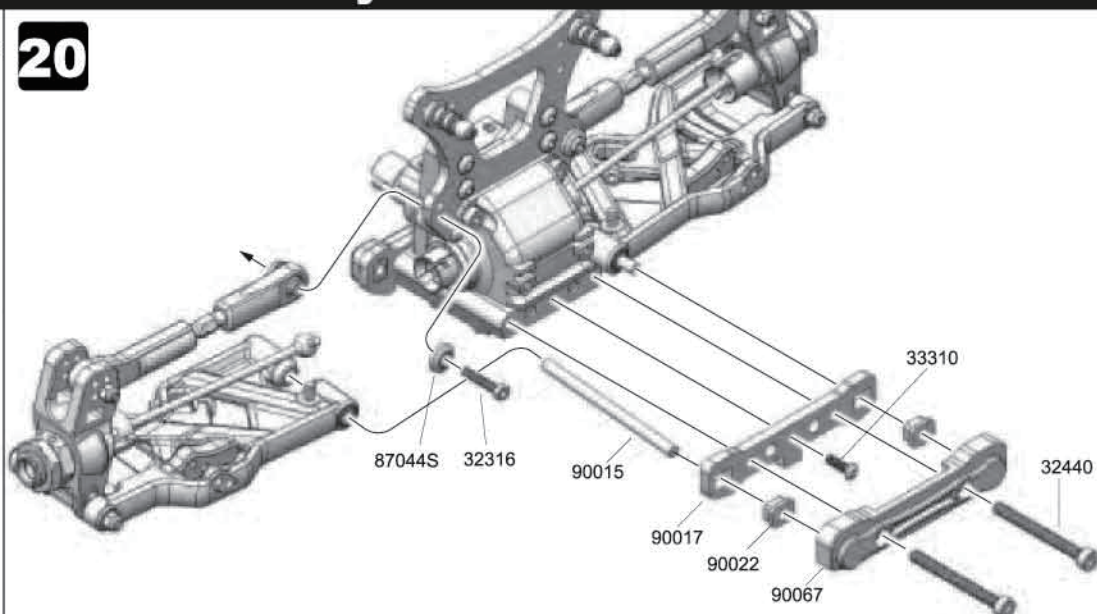
87044S
3x10mm x2
Alum. Washer



33310
3x10mm x1
B/H Screw



32440
4x40mm x2
Cap Screw



Rear Stabilizer Assembly



87044S
3x10mm x2
Alum. Washer

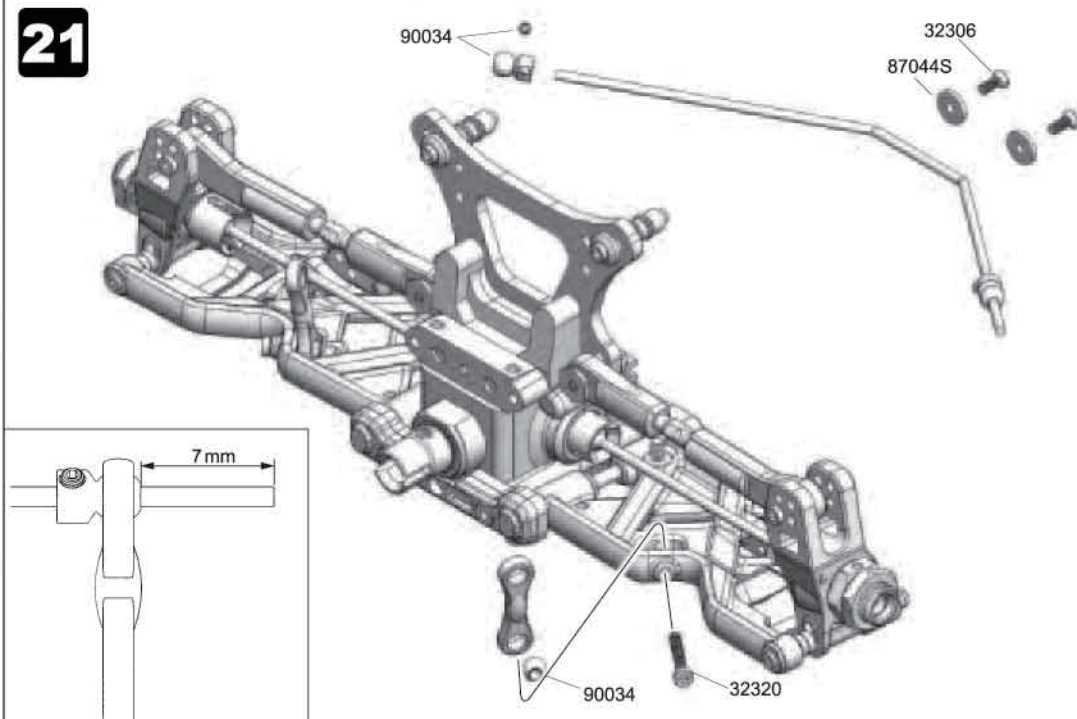
21



32306
3x6mm x2
Cap Screw



32320
3x20mm x2
Cap Screw



Rear Body Post Assembly



32415
4x15mm x2
Cap Screw

22



31315
3x15mm x1
F/H Screw



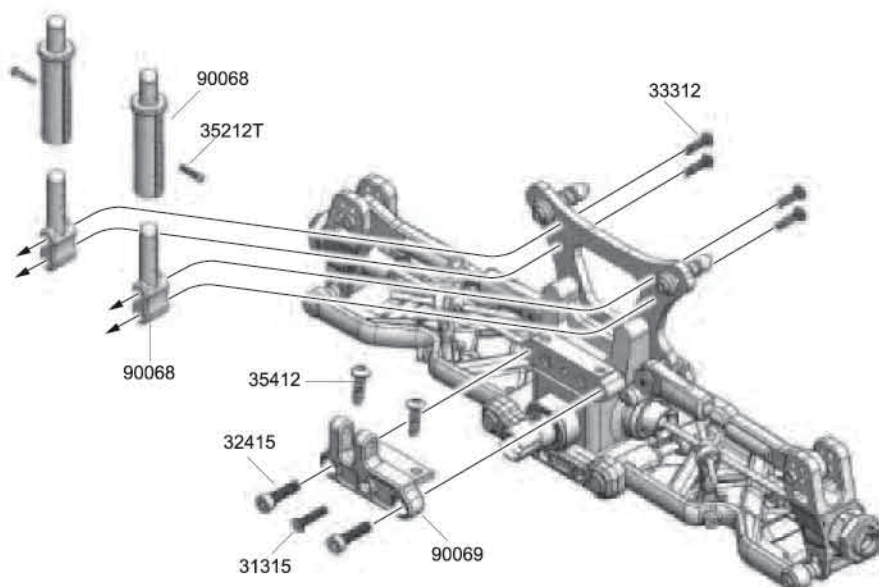
35212T
2x12mm x2
B/H Tap Screw



33312
3x12mm x4
B/H Screw



35412
4x12mm x2
B/H Screw



Rear Chassis Stiffener Assembly

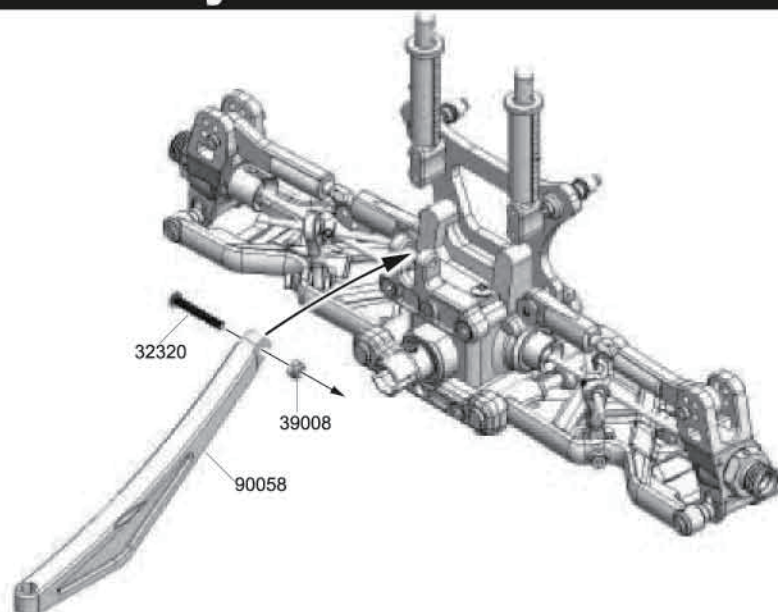


39008
M3 Nut x1



32320
3x20mm x1
Cap Screw

23



Rear Clip Assembly



39008
M3 Nut x1

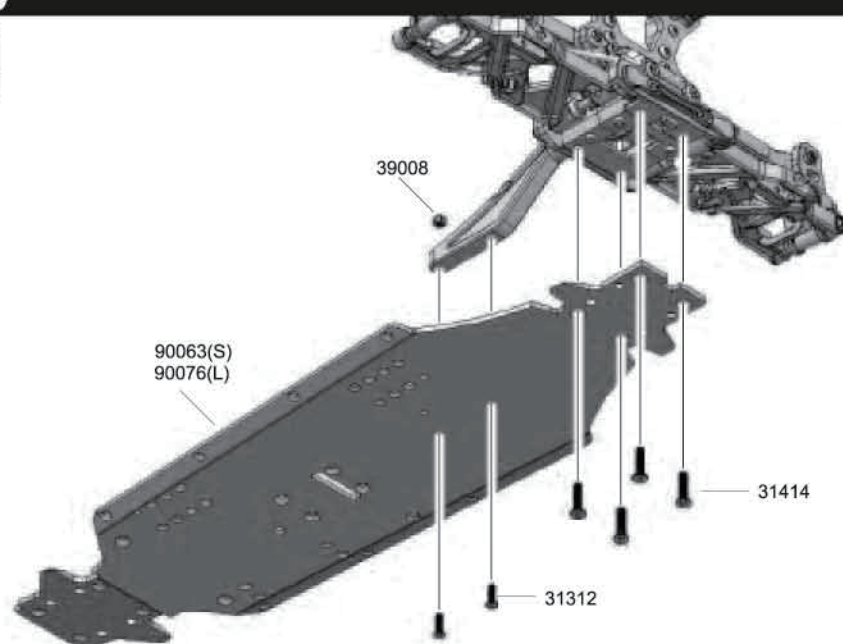


31312
3x12mm x2
F/H Screw



31414
4x14mm x4
F/H Screw

24



Front Chassis Stiffener Assembly

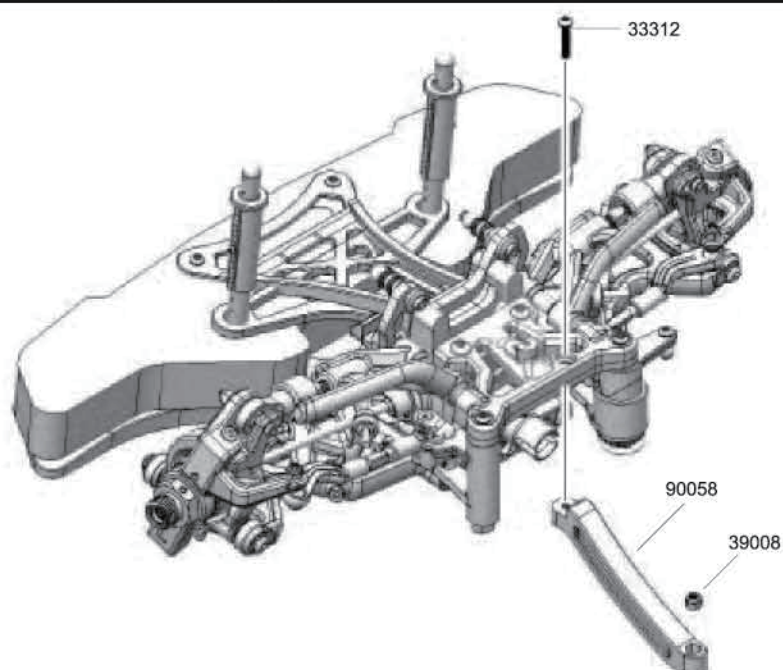


33312
3x12mm x1
B/H Screw



39008
M3 Nut x1

25



Front Clip Assembly

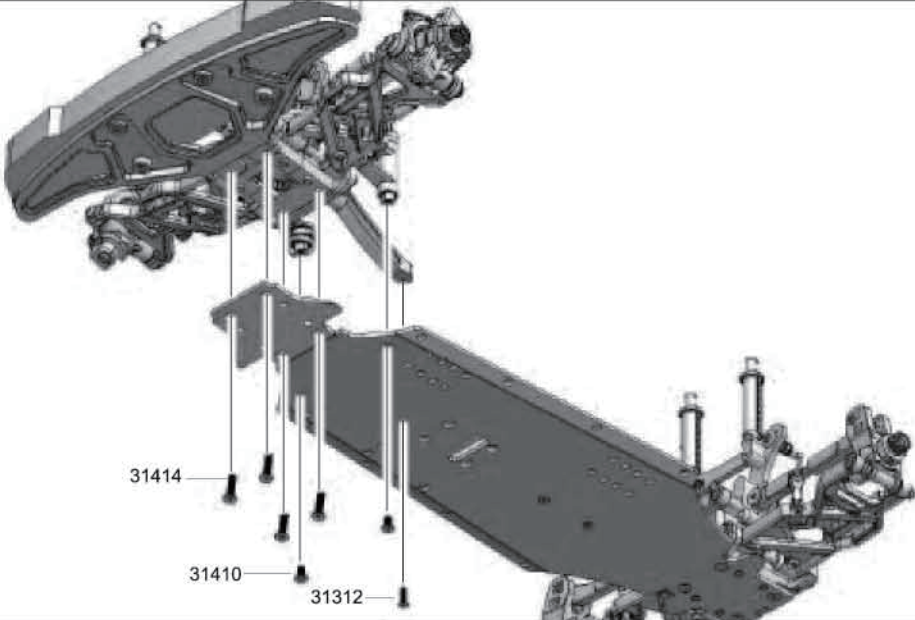
- 

31410
4x10mm x2
F/H Screw
- 

31414
4x14mm x4
F/H Screw
- 

31312
3x12mm x1
F/H Screw

26



Center Differential/Motor Unit Assembly

- 

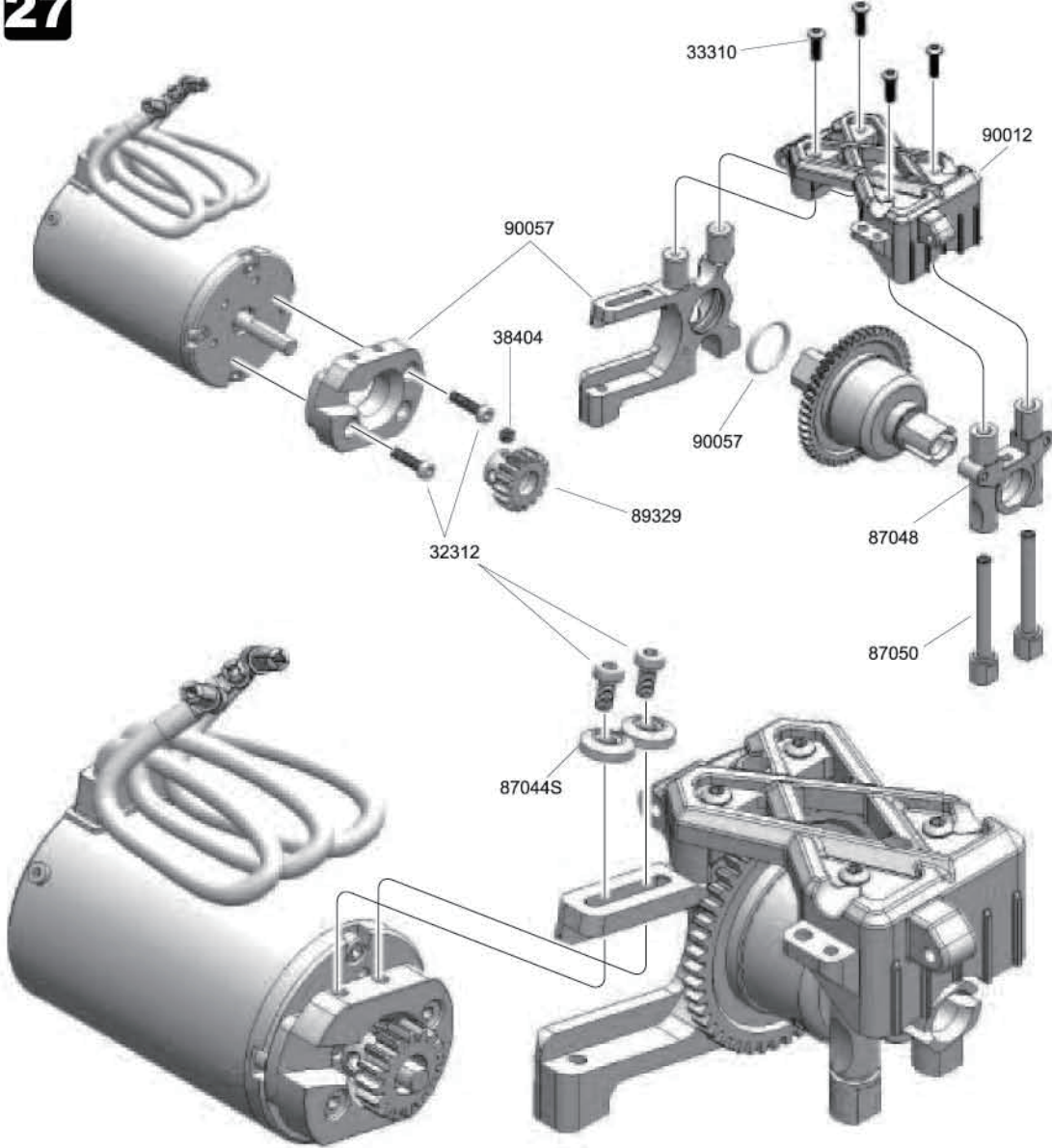
38404
4x4mm x1
Set Screw
- 

33310
3x10mm x4
B/H Screw
- 

32312
3x12mm x4
Cap Screw
- 

87044S
3x10mm x2
Alum. Washer

27

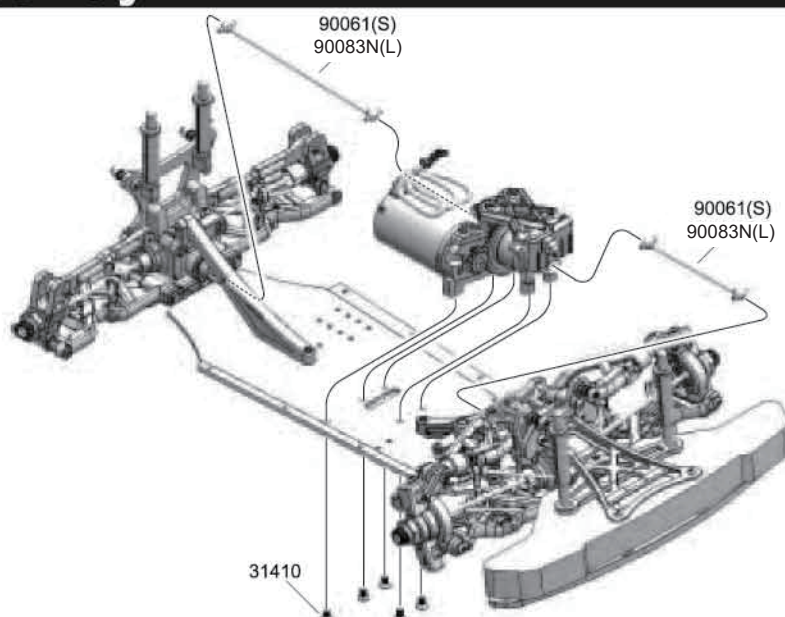


Center Drive Train Assembly



31410
4x10mm x5
F/H Screw

28



Receiver Box/Servo Mount Assembly



32308
3x8mm x1
Cap Screw

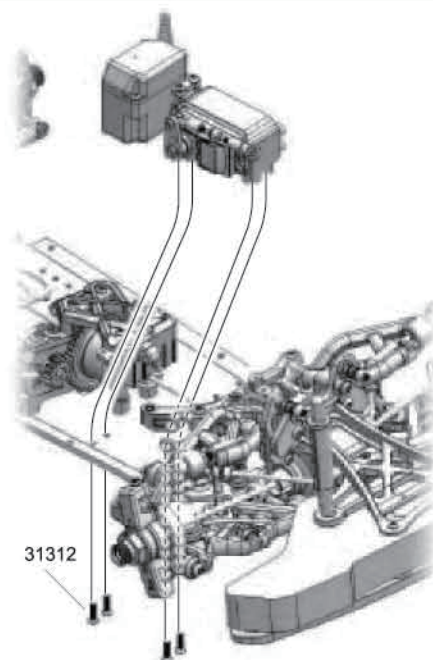
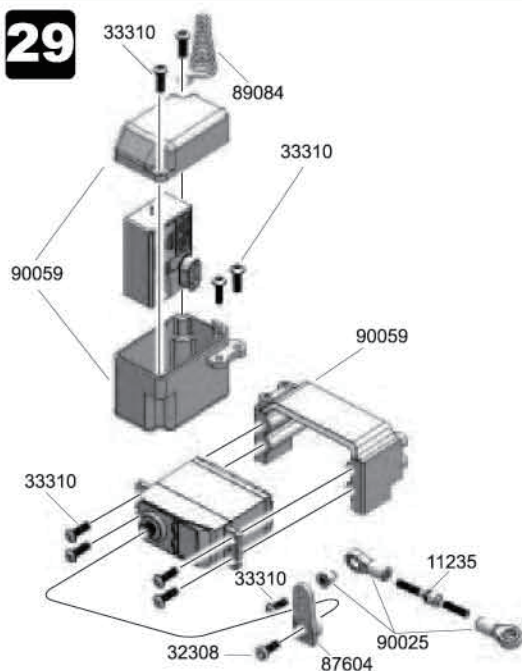


33310
3x10mm x9
B/H Screw



31312
3x12mm x4
F/H Screw

29

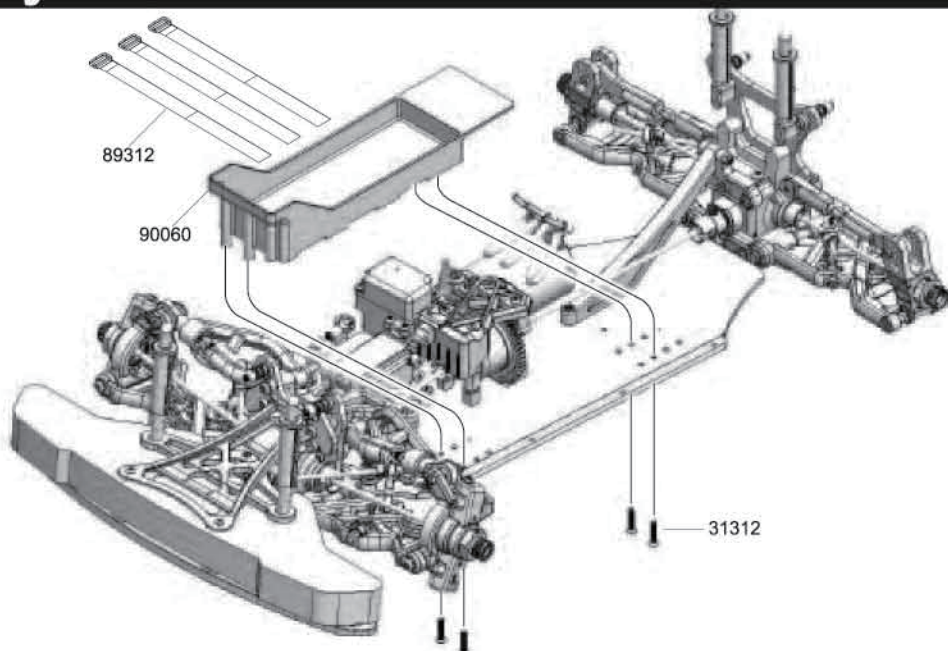


Battery Tray Assembly



31312
3x12mm x4
F/H Screw

30

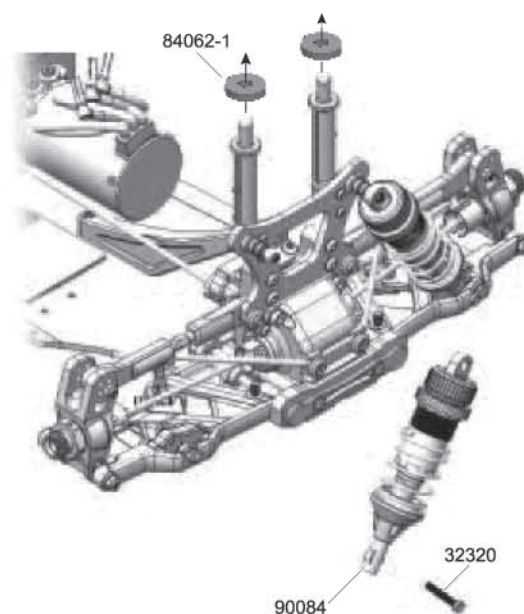
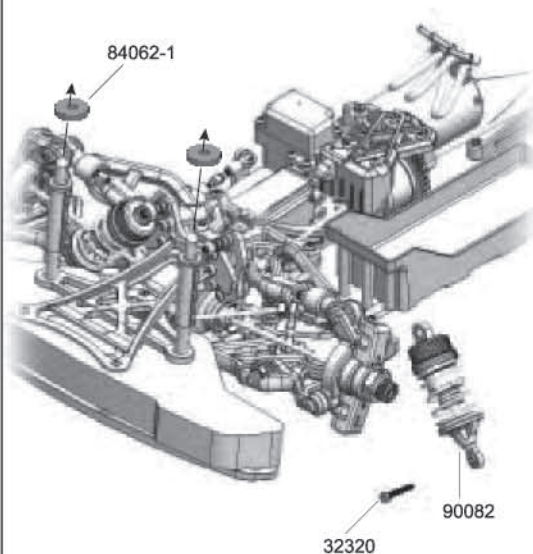


Front/Rear Shock Assembly



32320
3x20mm x4
Cap Screw

31

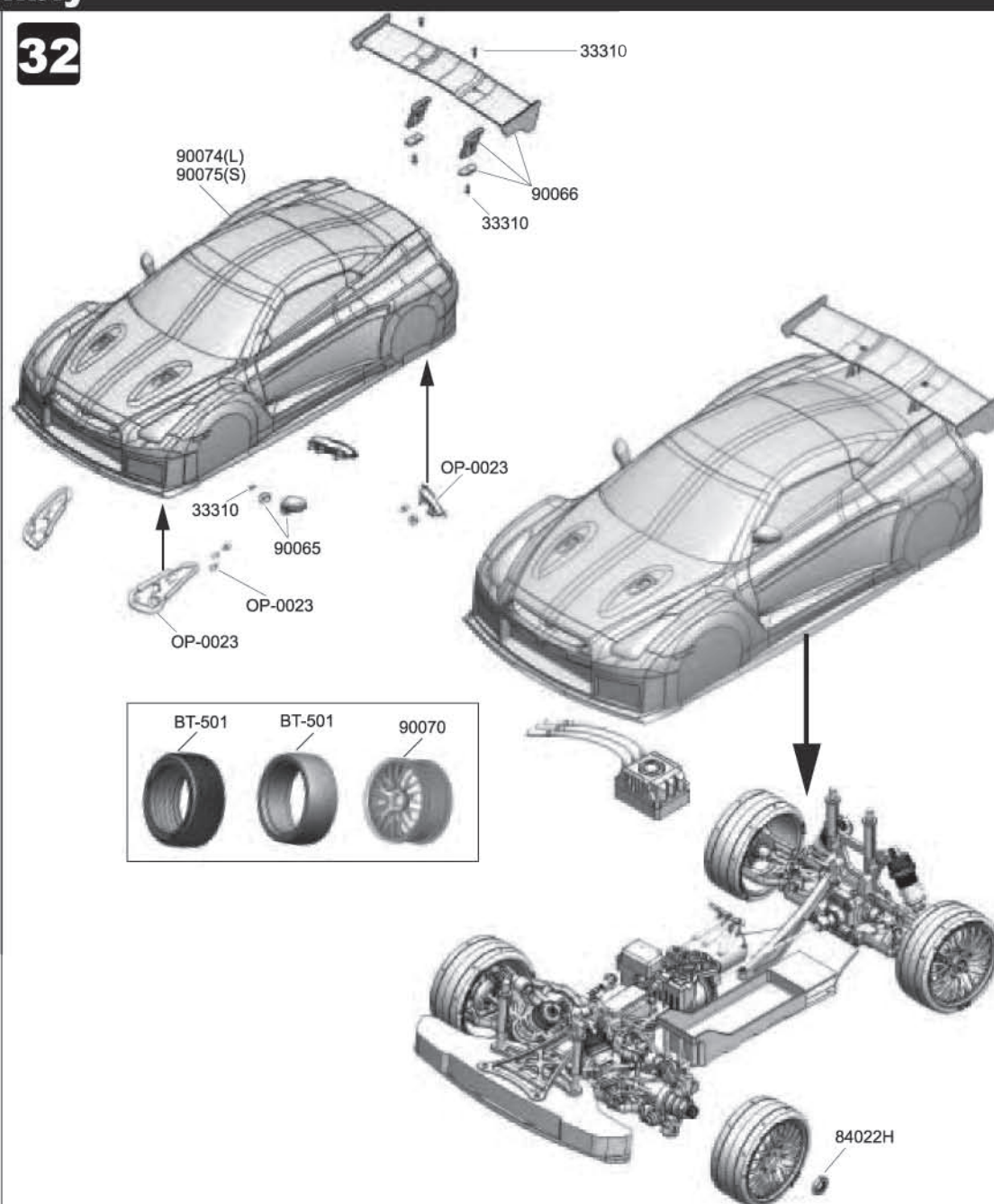


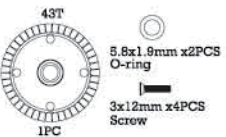
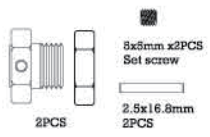
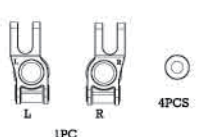
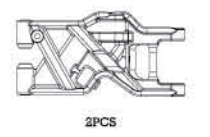
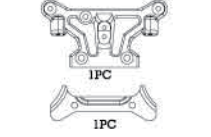
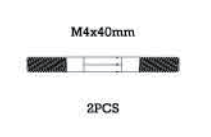
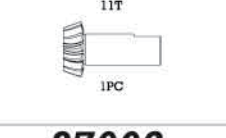
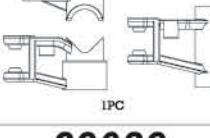
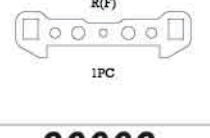
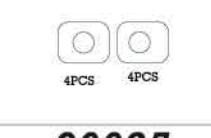
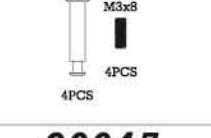
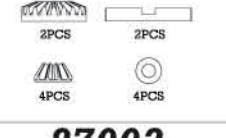
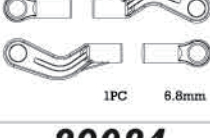
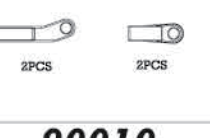
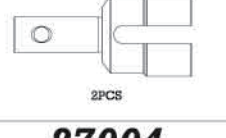
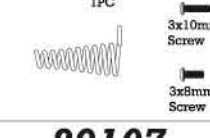
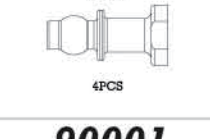
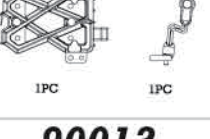
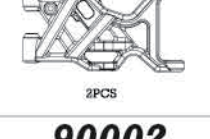
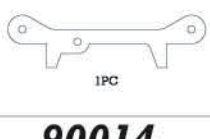
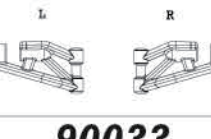
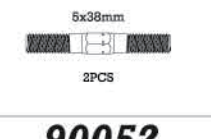
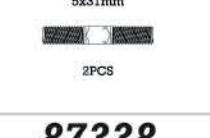
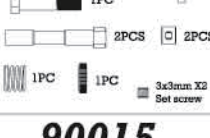
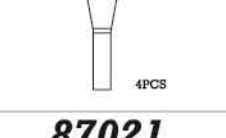
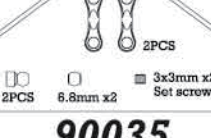
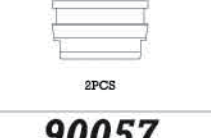
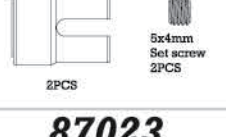
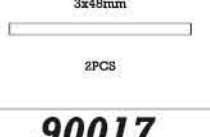
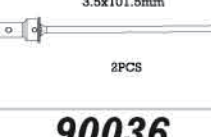
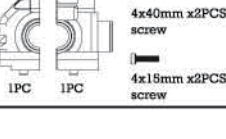
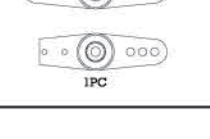
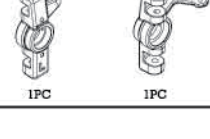
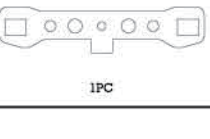
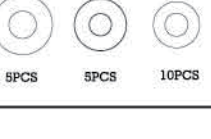
Body/Tire Assembly



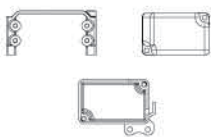
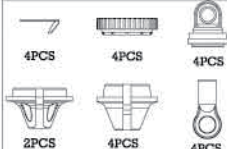
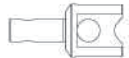
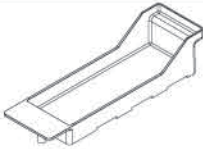
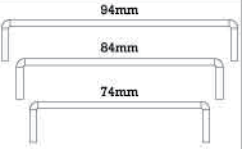
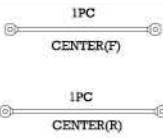
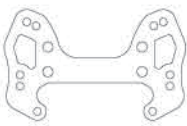
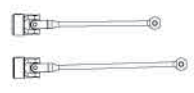
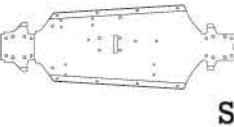
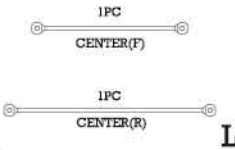
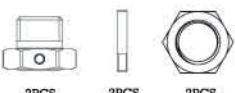
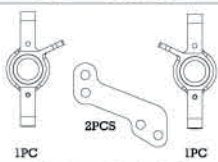
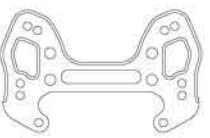
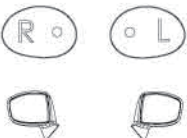
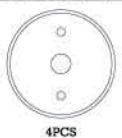
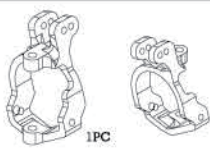
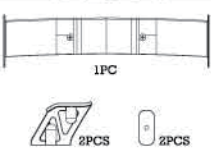
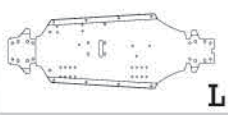
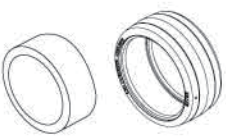
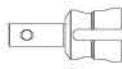
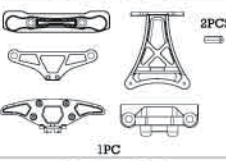
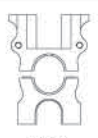
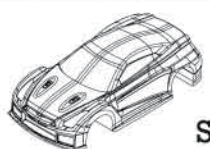
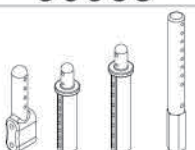
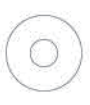
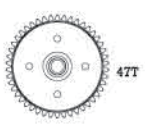
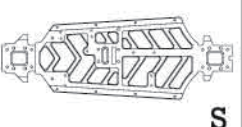
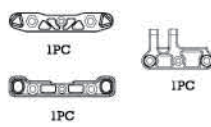
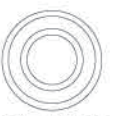
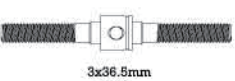
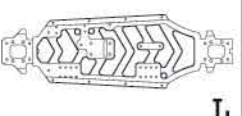
33310
3x10mm x6
B/H Screw

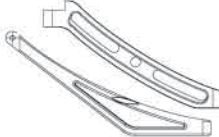
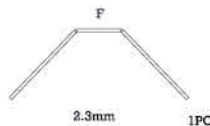
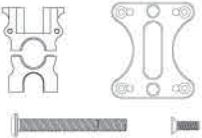
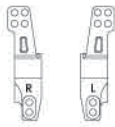
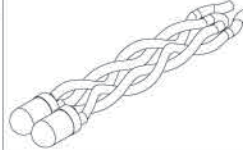
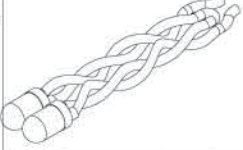
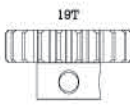
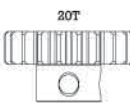
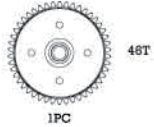
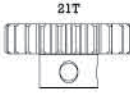
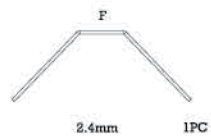
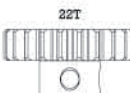
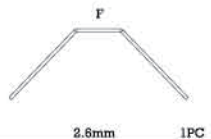
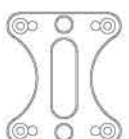
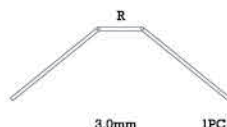
32



86001  1PC	87027  2PCS	89027  1PC	90007  2PCS	90021  1PC	90037  2PCS
86002  1PC	87027-1  4PCS	89037  1PC	90008  1PC	90022  4PCS	90038  4PCS
87002  2PCS	87037  2PCS	89039  1PC	90009  2PCS	90025  2PCS	90045  2PCS
87003  2PCS	87044S  10PCS	89084  1PC	90010  2PCS	90028  2PCS	90048  4PCS
87004  1PC	87048  2PCS	89107  4PCS	90012  1PC	90030  2PCS	90050  2PCS
87005-1  6PCS	87050  2PCS	90001  2PCS	90013  1PC	90032  2PCS	90051  2PCS
87006  2PCS	87330  2PCS	90002  1PC	90014  1PC	90033  2PCS	90052  2PCS
87018  4PCS	87338  1PC	90004  4PCS	90015  4PCS	90034  2PCS	90053  2PCS
87021  2PCS	87356-1  1PC	90005  4PCS	90016  2PCS	90035  2PCS	90057  2PCS
87023  1PC	87604  1PC	90006  1PC	90017  1PC	90036  5PCS	90058  2PCS

TOURING CAR

90059 	90070 	90080 	84078  6x10mmx3 x4PCS	22115  12x18x4mm	OP-0014  2PCS
90060 	90071  2PCS	90081  2PCS 2PCS	30002  7.8mm x4PCS	89312  6PCS	OP-0019  94mm 84mm 74mm
90061  1PC CENTER(F) 1PC CENTER(R) S	90072 	90082  2PCS	30003  6PCS	89329  4x4mm Set screw 18T 1PC	OP-0021  1PC
90063  S	90073 	90083N  1PC CENTER(F) 1PC CENTER(R) L	30004  6.8mm x4PCS	OP-0001  2PCS 2PCS 2PCS	OP-0023 
90064 	90074  L	90084  2PCS	30005  7.8mm x4PCS	OP-0002  1PC 2PCS 1PC	OP-0024 
90065 	90075  S	90091  4PCS	36001  2.5x13.8mm x4pcs	OP-0003  1PC	OP-0025 
90066  1PC 2PCS 2PCS	90076  L	BT-501 	36101  5.8x1.9mm x10pcs O-ring	OP-0004  2PCS	OP-0026  L
90067  2PCS 1PC	90077  2PCS	84022H  4PCS	36102  22x0.9mm x5pcs O-ring	OP-0006  2PCS	OP-0027  S
90068 	90078  2PCS	84062-1  10PCS	39008  M3 x 10PCS	OP-0007  47T	OP-0028  S
90069  1PC 1PC	90079  2PCS	84076  6x16mmx5 x4PCS	11235  3x36.5mm 2PCS	OP-0009  2PCS	OP-0029  L

OP-0030	OP-0050	87356		
				
OP-0032	OP-0052	89147		
				
OP-0033	OP-0053	89635		
				
OP-0034	OP-0054			
				
OP-0035	OP-0055			
				
OP-0036	OP-0056			
				
OP-0037	87005			
				
OP-0038	87329			
				
OP-0039	87329-2			
				
OP-0049	87329-3			
				

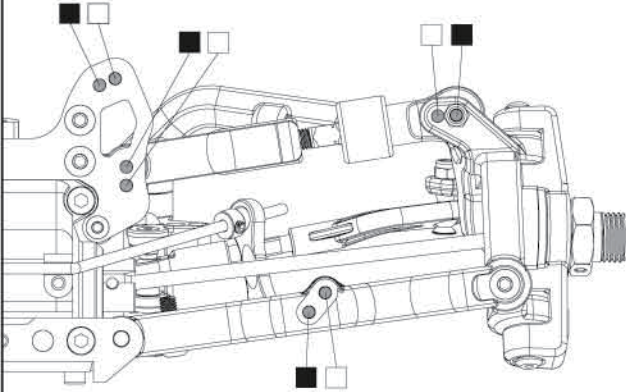
GTB

Setup Sheet

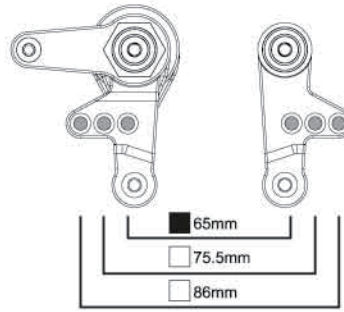
Driver : _____ Track : _____ Event : _____

Date : _____ Track Condition : _____

Front Suspension



Ackerman



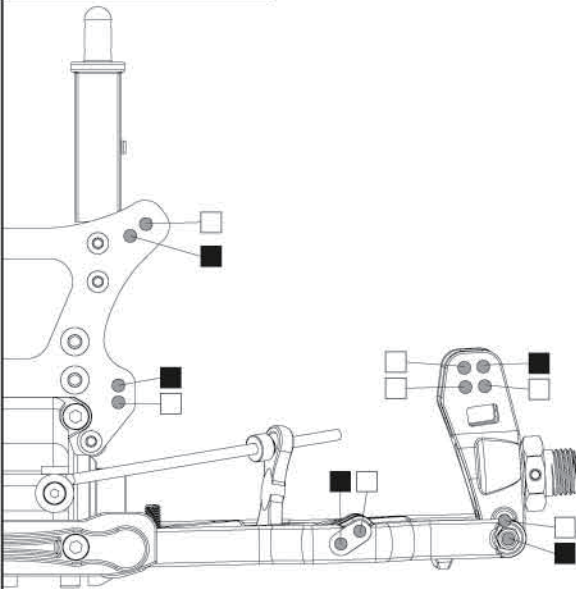
Toe: _____ 1 °
Caster: _____ 20 °
Camber: _____ -2 °
Anti-roll bar: _____ 2.5 mm
Ride height: _____ 20 mm
Droop: _____ mm

Front Shock

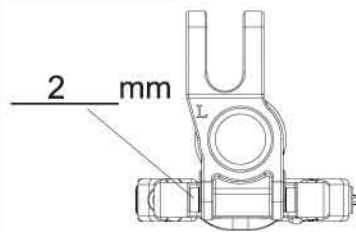


8 mm
Oil: _____
300
Piston: _____ 17 mm
Spring: _____ 1.9
Length: _____ 79 mm

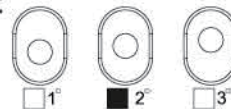
Rear Suspension



Wheelbase



Toe: _____ -3 °
Camber: _____ -2 °
Anti-roll bar: _____ 2.8 mm
Ride height: _____ 20 mm
Droop: _____ mm
Anti-squat:



Rear Shock



2 mm
Oil: _____
300
Piston: _____ 17 mm
Spring: _____ 2
Length: _____ 115 mm

Power

Motor: _____
ESC: _____
Pinion: _____
Spur: _____
Battery: _____

Tires

	Front	Rear
Brand:	_____	_____
Compound:	_____	_____
Insert:	_____	_____
Wheel:	_____	_____

Differentials

Front: # _____ ☐ Standard ☐ Spider
Center: # _____ ☐ Standard ☐ Spider
Rear: # _____ ☐ Standard ☐ Spider

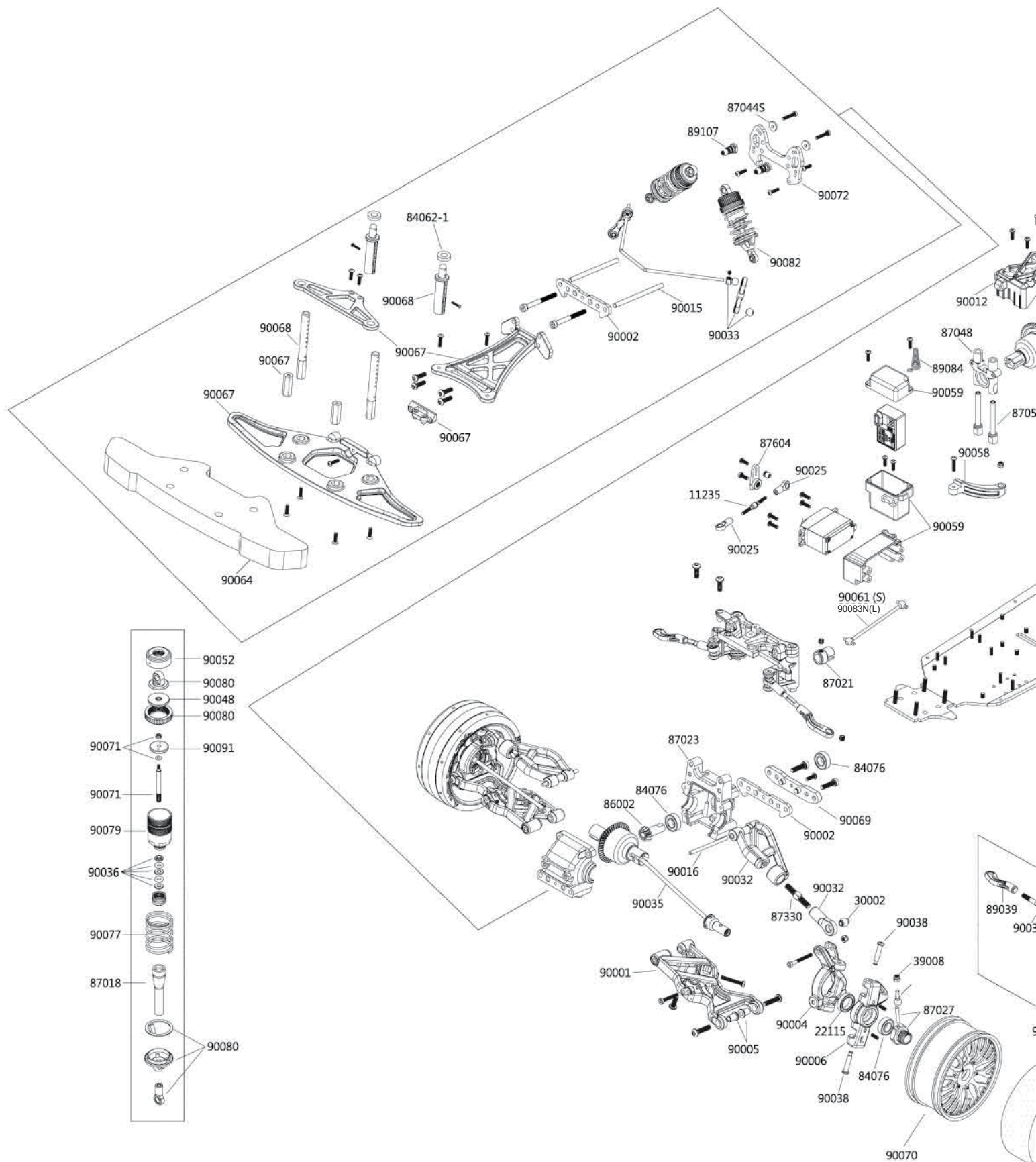
ESC Setup

Brake: _____
Drag Brake: _____
Cut-off Volt.: _____
Punch: _____
Timing: _____
Throttle Limit: _____

Notes

HOBATO

GTB EP



STANDARD PARTS			
86001	CROWN GEAR 43T	90025	BALL END/BALL FLANGED 5.8MM
86002	DIFFERENTIAL PINION GEAR 11T	90028	SCREW M3x50MM
87002	BEVEL GEAR SET	90030	FRONT SHOCK SHAFT (REAR SHOCK SHAFT FOR GTB)
87003	DIFFERENTIAL OUTDRIVE CUP	90032	FRONT UPPER ARM SET
87004	DIFFERENTIAL CASE	90033	FRONT STABILIZER SET
87005-1	SPACER 6.2x13.9x0.3MM	90034	REAR STABILIZER SET
87006	CENTER DIFFERENTIAL OUTDRIVE CUP	90035	CVD SHAFT
87018	SHOCK BOOTS	90036	SHOCK ABSORBER REPAIR SET
87021	OUTDRIVE CUP	90037	TURNBUCKLE 4x40MM
87023	GEAR BOX	90038	HINGE PIN
87027	WHEEL HUB SET	90045	FRONT SHOCK BODY (REAR SHOCK BODY FOR GTB)
87027-1	PIN 2.5x16.8MM	90048	SHOCK BLADDER
87037	AXLE CUP	90050	BALL FLANGED 6.8MM
87044S	ALUM COLLAR	90051	TURNBUCKLE 5x38MM
87048	CENTER DIFFERENTIAL MOUNT	90052	SHOCK CAP TOP
87050	CENTER DIFFERENTIAL MOUNT POST	90053	SHOCK CAP BOTTOM
87330	TURNBUCKLE M5x31	90057	MOTOR MOUNT
87338	CENTER SPUR GEAR 48T	90058	FRONT/REAR CHASSIS STIFFENER SET
87356-1	FRONT ANTI-ROLL BAR 2.5MM	90059	RECEIVER BOX & SERVO MOUNT
87604	SERVO HORN	90060	BATTERY TRAY
89027	REAR HUB SET	90061	FRONT/REAR CENTER DRIVE SHAFT SET - S
89037	SERVO SAVER ARM SET	90063	CHASSIS - SHORT
89039	NYLON STEERING BALL END 6.8MM	90064	FRONT BUMPER FOAM
89084	ANTENNA PIPE AND POST	90065	SIDE MIRROR
89107	SHOCK BALL STUD 6.8MM	90066	REAR SPOILER
90001	FRONT LOWER ARM SET	90067	BUMPER SET
90002	FRONT LOWER ALUM ARM HOLDER - A PLATE	90068	BODY POST
90004	L/R C-HUB SET	90069	FRONT/REAR LOWER NYLON ARM HOLDER - C PLATE
90005	C-HUB BUSHING	90070	WHEEL
90006	STEERING KNUCKLE SET	90071	FRONT SHOCK SHAFT
90007	REAR LOWER ARM SET	90072	FRONT SHOCK TOWER
90008	REAR LOWER ALUM ARM HOLDER - A PLATE	90073	REAR SHOCK TOWER
90009	REAR SUSPENSION ARM BALL END 7.8MM	90074	BODY - LONG
90010	AXLE	90075	BODY - SHORT
90012	CENTER DIFFERENTIAL TOP PLATE/AIR FILTER HOLDER	90076	CHASSIS - LONG
90013	FRONT ALUM TOP PLATE	90077	FRONT SHOCK SPRING
90014	SERVO SAVER SET	90078	REAR SHOCK SPRING
90015	PIN 4x63MM	90079	FRONT SHOCK BODY
90016	PIN 3x48MM	90080	SHOCK NYLON SET
90017	REAR LOWER ALUM ARM HOLDER - B PLATE	90081	FRONT/REAR SHOCK SET
90021	FRONT TOP PLATE HOLDER	90082	FRONT SHOCK SET
90022	ADJUSTABLE INSERT SET	90083N	FRONT/REAR CENTER DRIVE SHAFT SET - L
		90084	REAR SHOCK SET
		90091	SHOCK PISTON
		BT-501	TIRE WITH INSERT
		84022H	WHEEL HEX NUT
		84062-1	BODY FOAM SPACER
		84076	BEARING 8x16x5MM
		84078	BEARING 6x10x3MM
		30002	BALL LONG 7.8MM
		30003	STEERING BALL 6.8MM
		30004	BALL 6.8MM
		30005	BALL FLANGED 7.8MM
		36001	PIN 2.5x13.8MM
		36101	O-RING 5.8x1.9MM
		36102	O-RING 22x0.9MM
		39008	M3 NYLON NUT
		11235	TURNBUCKLE 3x36.5MM
		22115	BEARING 12x18x4MM
		89312	MAGIC STRIP
		89329	1/8 BRUSHLESS MOTOR GEAR - 18T - 5MM

SCREWS		OPTIONAL PARTS		
31310	M3 X 10 FLAT HEAD SCREW	OP-0001	WHEEL HEX	
31312	M3 X 12 FLAT HEAD SCREW	OP-0002	CNC STEERING KNUCKLE SET	
31315	M3 X 15 FLAT HEAD SCREW	OP-0003	CNC L/R C-HUB SET	
31317	M3 X 17 FLAT HEAD SCREW	OP-0004	LIGHT WEIGHT DIFFERENTIAL OUTDRIVE CUP	
31318	M3 X 18 FLAT HEAD SCREW	OP-0006	CNC CENTER DIFFERENTIAL MOUNT	
31320	M3 X 20 FLAT HEAD SCREW	OP-0007	CENTER SPUR GEAR 47T	
31410	M4 X 10 FLAT HEAD SCREW	OP-0009	REAR UNIVERSAL DRIVE SHAFT	
31414	M4 X 14 FLAT HEAD SCREW	OP-0014	LIGHT WEIGHT CENTER DIFFERENTIAL OUTDRIVE CUP	
32306	M3 X 6 CAP HEAD SCREW	OP-0019	ACKERMAN ROD SET	
32308	M3 X 8 CAP HEAD SCREW	OP-0021	CENTER UNIVERSAL DRIVE SHAFT SET-SHORT	
32312	M3 X 12 CAP HEAD SCREW	OP-0023	LED LIGHT HOUSING	
32316	M3 X 16 CAP HEAD SCREW	OP-0024	CNC LIGHT WEIGHT FRONT SHOCK TOWER	
32320	M3 X 20 CAP HEAD SCREW	OP-0025	CNC LIGHT WEIGHT REAR SHOCK TOWER	
32325	M3 X 25 CAP HEAD SCREW	OP-0026	CLEAR BODY -LONG	
32415	M4 X 15 CAP HEAD SCREW	OP-0027	CLEAR BODY -SHORT	
32440	M4 X 40 CAP HEAD SCREW	OP-0028	CNC LIGHT WEIGHT CHASSIS -SHORT	
33308	M3 X 8 BUTTON HEAD SCREW	OP-0029	CNC LIGHT WEIGHT CHASSIS -LONG	
33310	M3 X 10 BUTTON HEAD SCREW	OP-0030	CENTER UNIVERSAL DRIVE SHAFT SET -LONG	
33312	M3 X 12 BUTTON HEAD SCREW	OP-0032	MULTI-MODE IR LED CONTROLLER UNIT	
35212T	M2 X 12 BUTTON HEAD TAP SCREW	OP-0033	MULTI-MODE LED CONTROLLER UNIT	
33414	M4 X 14 BUTTON HEAD SCREW	OP-0034	SINGLE-MODE LED CONTROLLER UNIT - 8.4V	
35412	M4 X 12 BUTTON HEAD SCREW	OP-0035	SINGLE-MODE LED CONTROLLER UNIT - 6.0V	
35418	M4 X 18 BUTTON HEAD SCREW	OP-0036	1/8 MOTOR GEAR - 19T - 5MM	
38303	M3 X3 SET SCREW	OP-0037	1/8 MOTOR GEAR - 20T - 5MM	
38308	M3 X8 SET SCREW	OP-0038	1/8 MOTOR GEAR - 21T - 5MM	
38404	M4 X4 SET SCREW	OP-0039	1/8 MOTOR GEAR - 22T - 5MM	
38504	M5 X 4 SET SCREW	OP-0049	CNC CENTER DIFF. TOP PLATE FOR EP	
38505	M5 X5 SET SCREW	OP-0050	CNC F/R CHASSIS STIFFENER SET	
39008	M3 NYLON NUT	OP-0052	CNC CENTER DIFF. MOUNT SET FOR EP	
		OP-0053	ORANGE LED SET - 3MM	
		OP-0054	RED LED SET - 5MM	
		OP-0055	BLUE LED SET - 5MM	
		OP-0056	WHITE LED SET - 5MM	
		87005	CENTER SPUR GEAR 46T	
		87329	FRONT ANTI-ROLL BAR 2.4MM	
		87329-2	FRONT ANTI-ROLL BAR 2.6MM	
		87329-3	REAR ANTI-ROLL BAR 3.0MM	
		87356	FRONT ANTI-ROLL BAR 2.3MM	
		89147	CNC REAR WHEEL HUB	
		89635	CNC FUTABA SERVO HORN	



HOB AO ENTERPRISING CO.,LTD.

www.hobao-racing.com

E-Mail:hobao@hobao.com.tw

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