

1/8 OFF-ROAD RACING CAR
HYPER

SSe

INSTRUCTION MANUAL
Hobao Racing

1/8 OFF-ROAD RACING CAR
HYPER *SSe*

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HYPER *SSe*

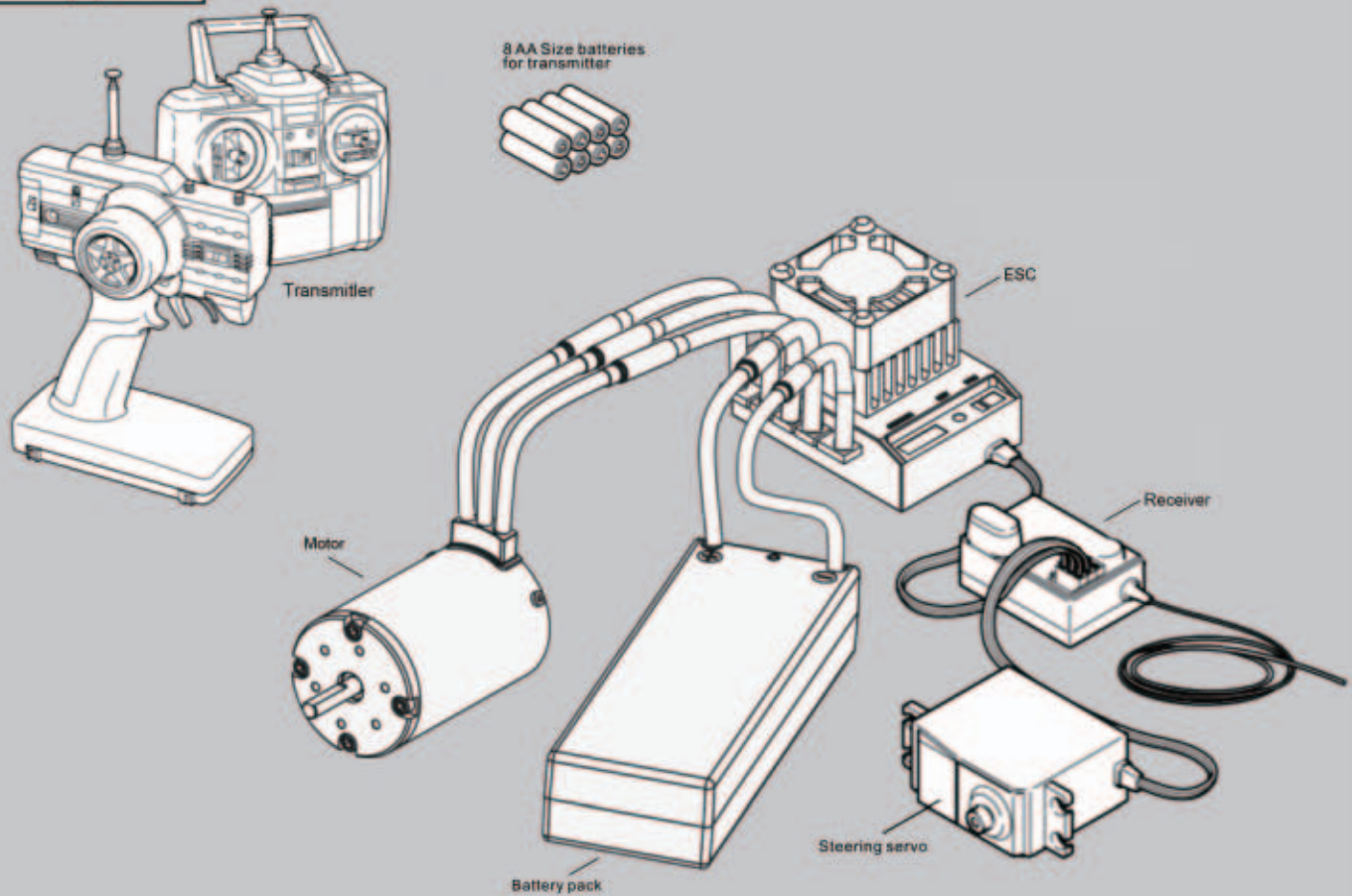
HOBao ENTERPRISING CO.,LTD.
www.hobao-racing.com
E-Mail:hobao@hobao.com.tw
Made in Taiwan

INSTRUCTION MANUAL
HObao Racing

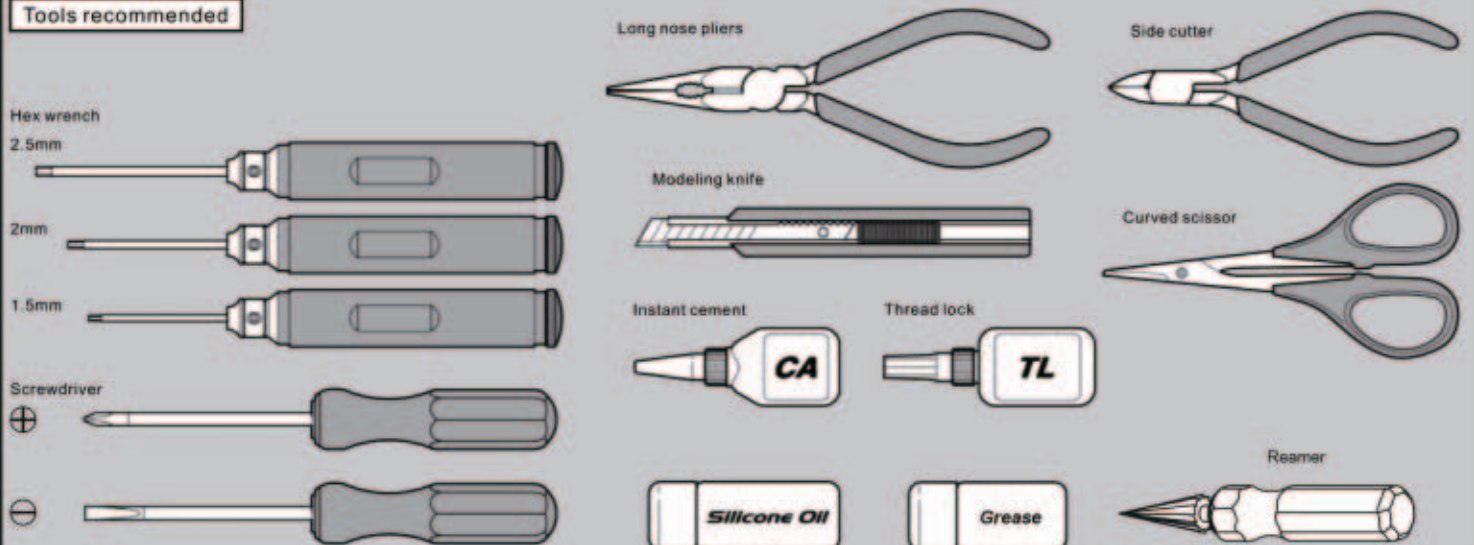
HYPERSSe

Required

Radio control equipment set



Tools recommended



Included items



1



90049

00049

90049

90045(Front)
90046(Rear)

90036

0053



NO Bubbles

Pull down
the piston.

Move the shaft up and down slowly to remove bubbles.

2

90043(Front)
90044(Rear)

87018

90049

3

Check if
piston moves
smoothly

2

Page 10



8700.

87004

36101

87005-1

87004

87006

87006

33312

36001

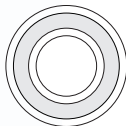
36102

3610

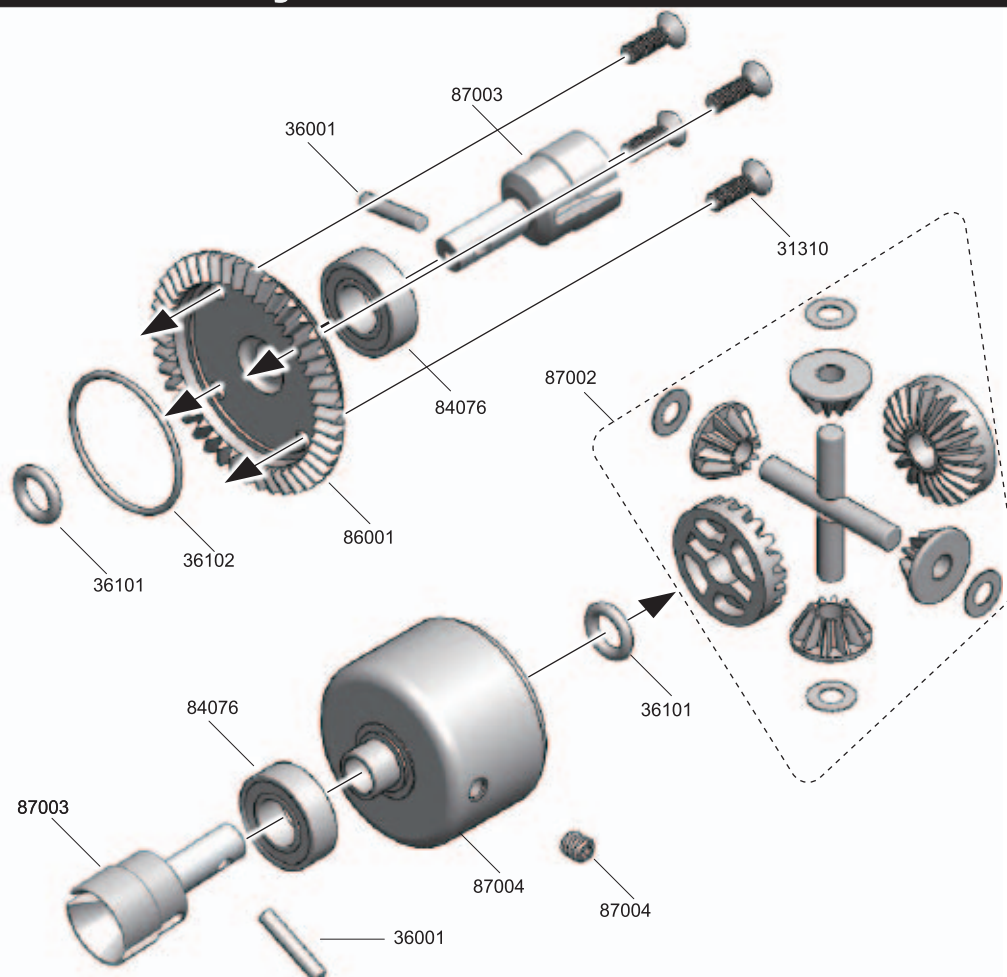
87005-1

87338

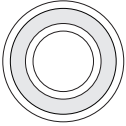
Front/Rear Differential Assembly

	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

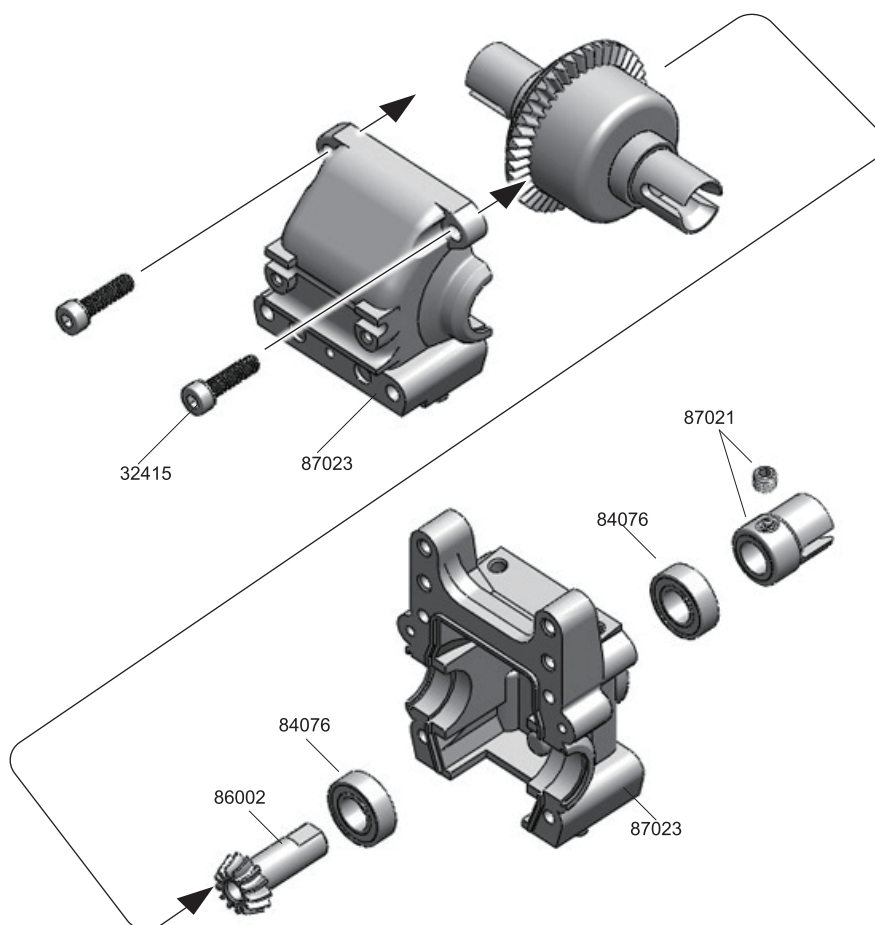
3



Front/Rear Gear Box Assembly

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

4



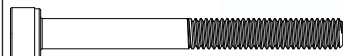
Front Lower Arm Holder Assembly



33310
3x10mm x2
B/H Screw

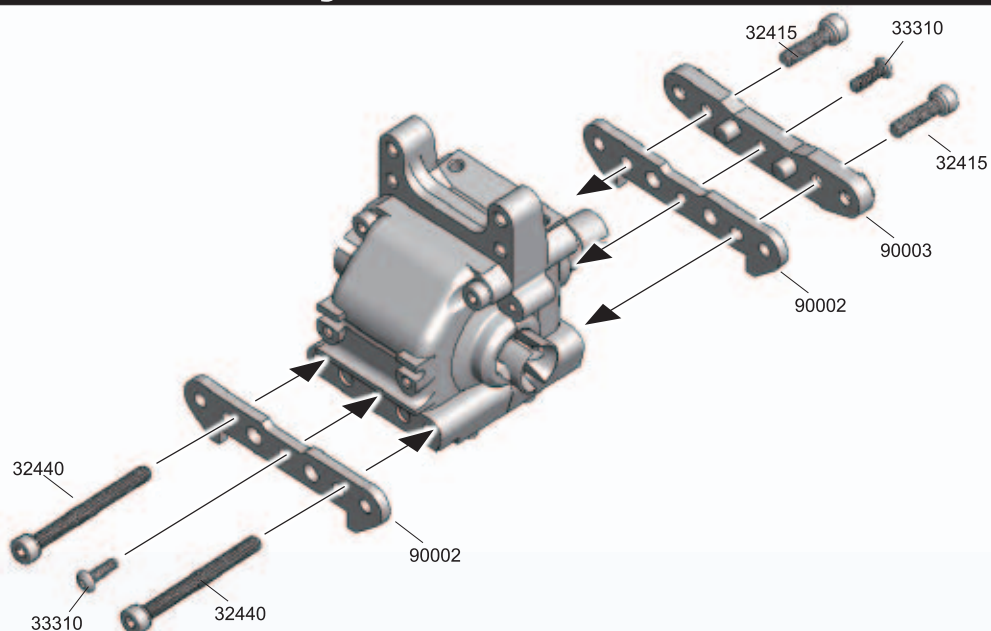


32415
4x15mm x2
Cap Screw



32440
4x40mm x2
Cap Screw

5



Front Shock Tower Assembly



33312
3x12mm x2
B/H Screw



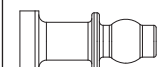
32316
3x16mm x2
Cap Screw



33414
4x14mm x2
B/H Screw

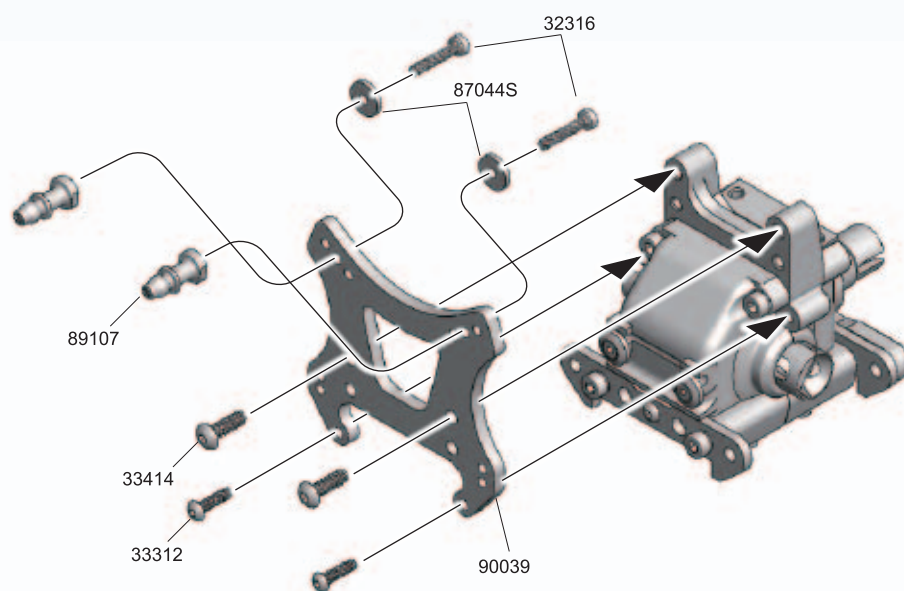


87044S
3x10mm x2
Alum. Washer



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



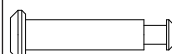
39008
M3 Nut x2



87027
3x16.8mm x2
Pin

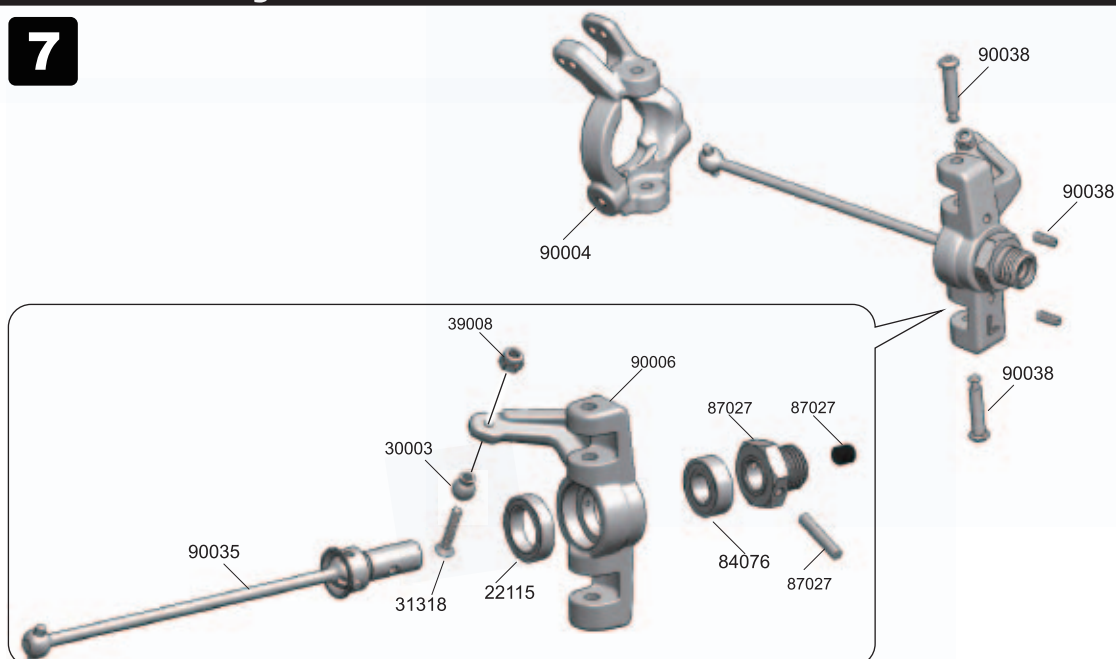


30003
6.8mm x2
Steering Ball



90038
Hinge Pin x4

7



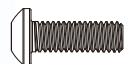
Front Suspension Arm Assembly 1



39008
M3 Nut x2



30002
7.8mm x2
Ball Long



35412
4x12mm x2
B/H Screw



90005
4x18mm x4
B/H Screw

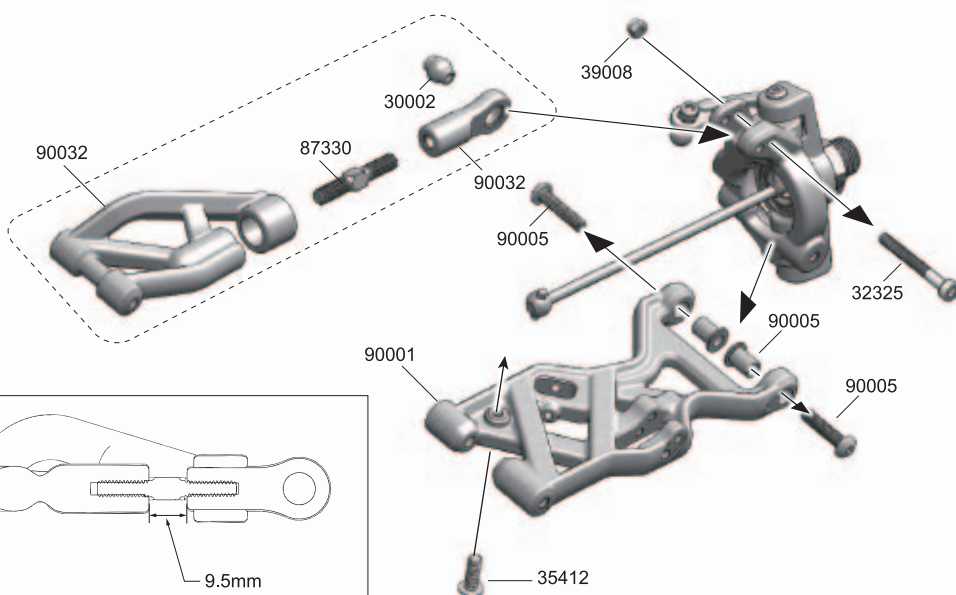


32325
3x25mm x2
Cap Screw



87330
5x31mm x2
Turnbuckle

8



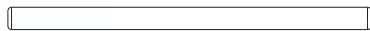
Front Suspension Arm Assembly 2



33414
4x14mm x2
B/H Screw

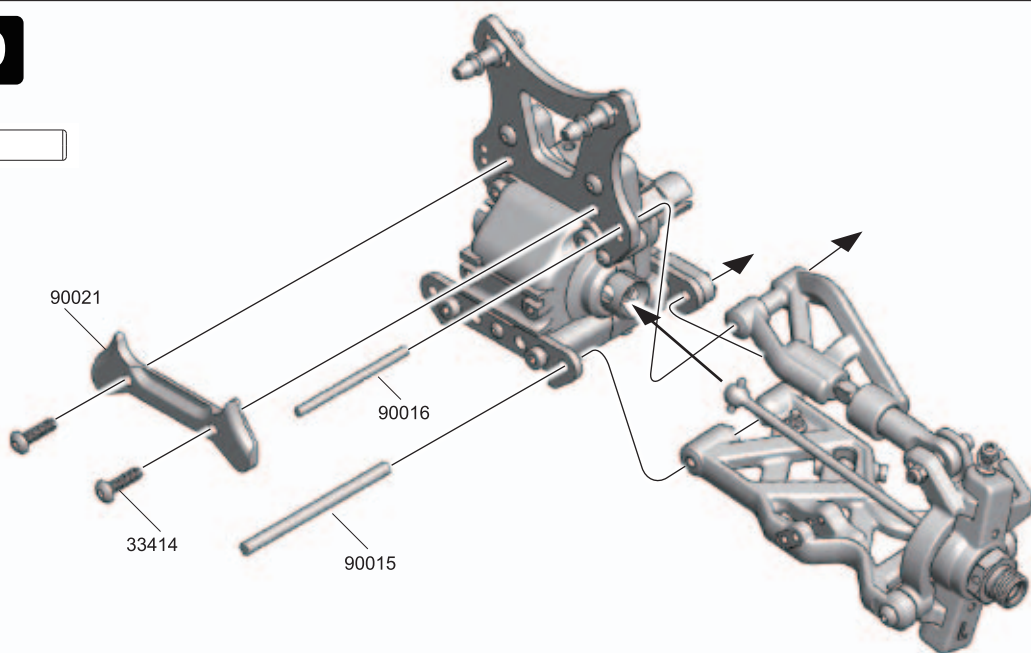


90015
4x63mm x2
Shaft



90016
3x48mm x2
Shaft

9



Front Stabilizer Assembly



90033
3x3mm x2
Set Screw



32306
3x6mm x2
Cap Screw



32320
3x20mm x2
Cap Screw



90033
6.8mm x2
Ball

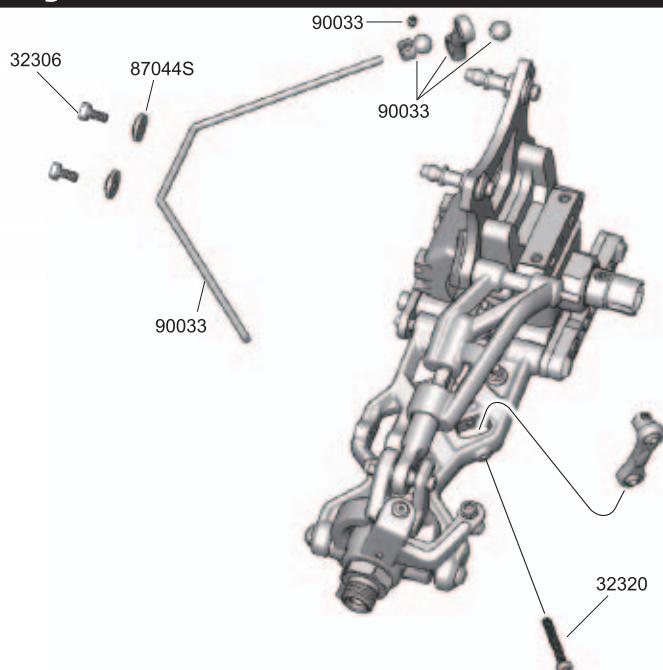


90033
6.8mm x2
Pivot Ball

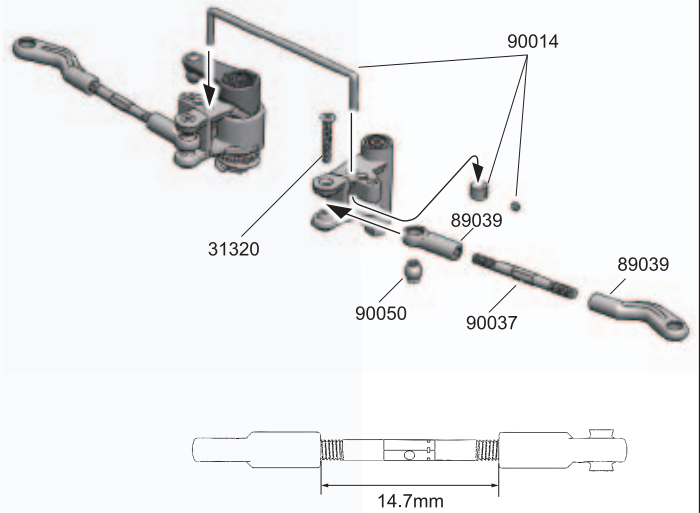
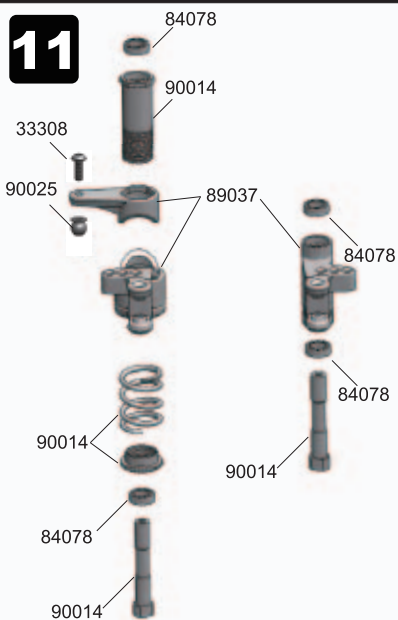
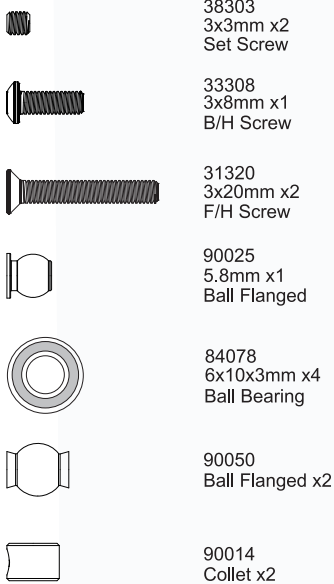


87044S
3x10mm x2
Alum. Washer

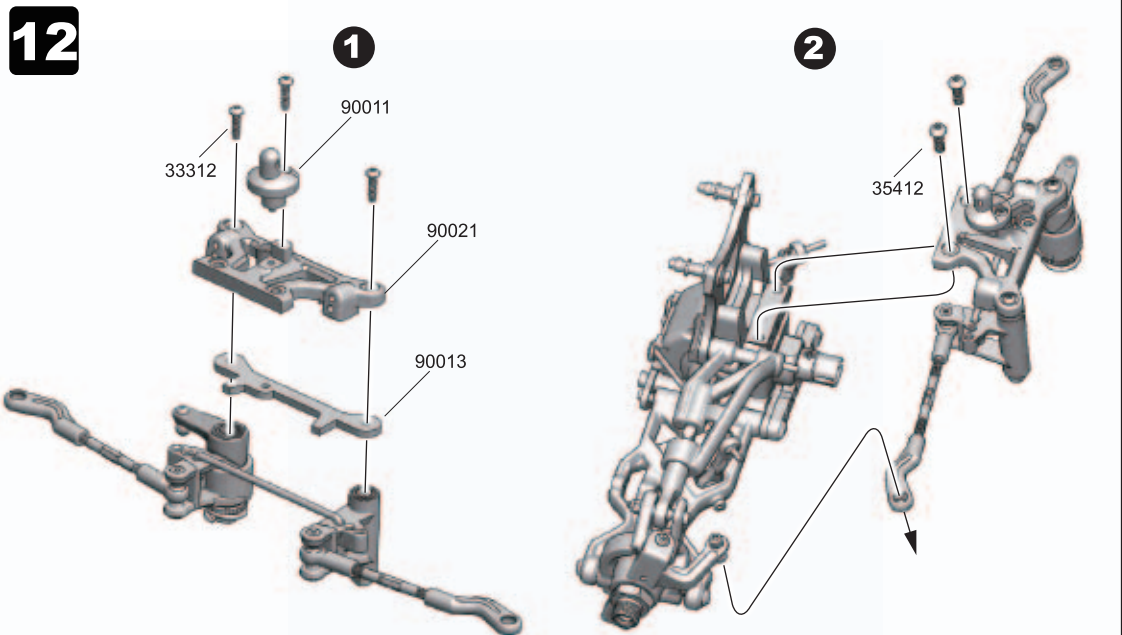
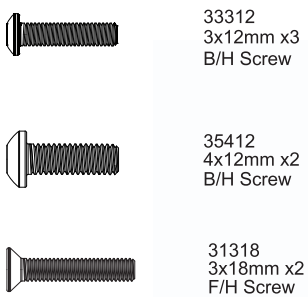
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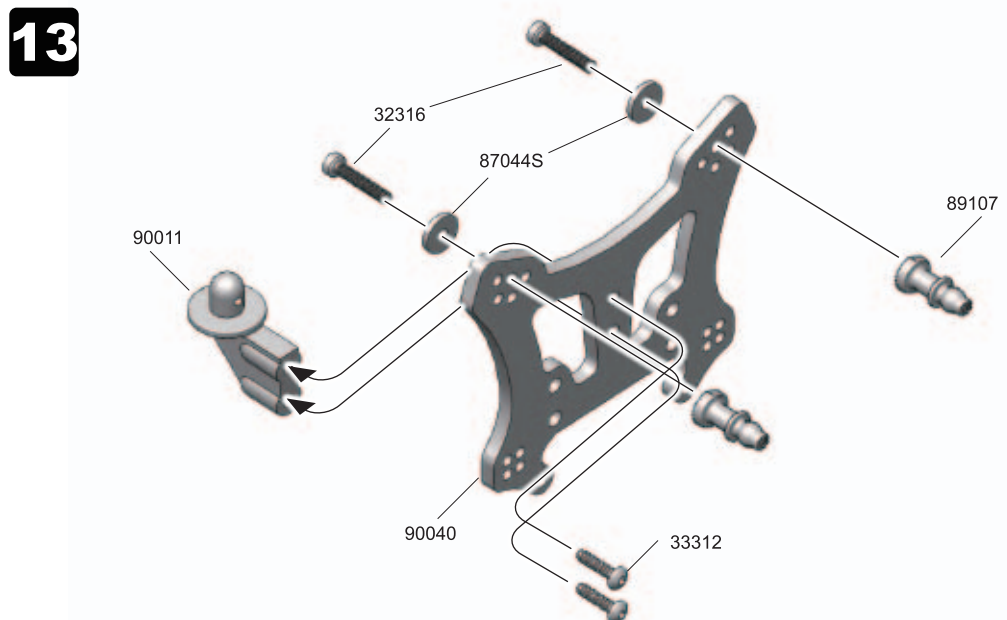
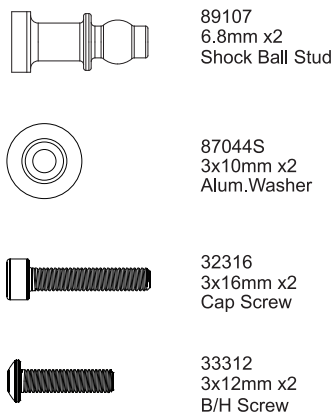
Servo Saver Assembly 1



Servo Saver Assembly 2



Rear Shock Tower Assembly 1



Rear Shock Tower Assembly 2

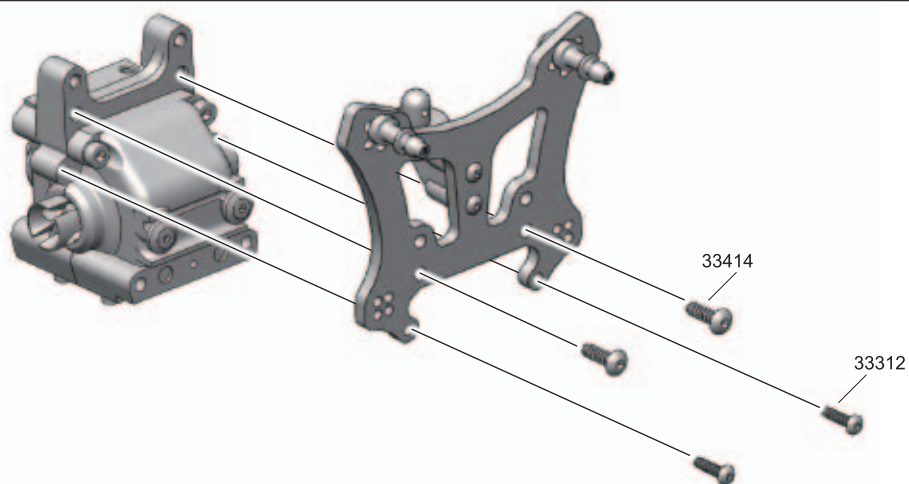


33312
3x12mm x2
B/H Screw



33414
4x14mm x2
B/H Screw

14



Rear Lower Arm Holder Assembly



33310
3x10mm x1
B/H Screw

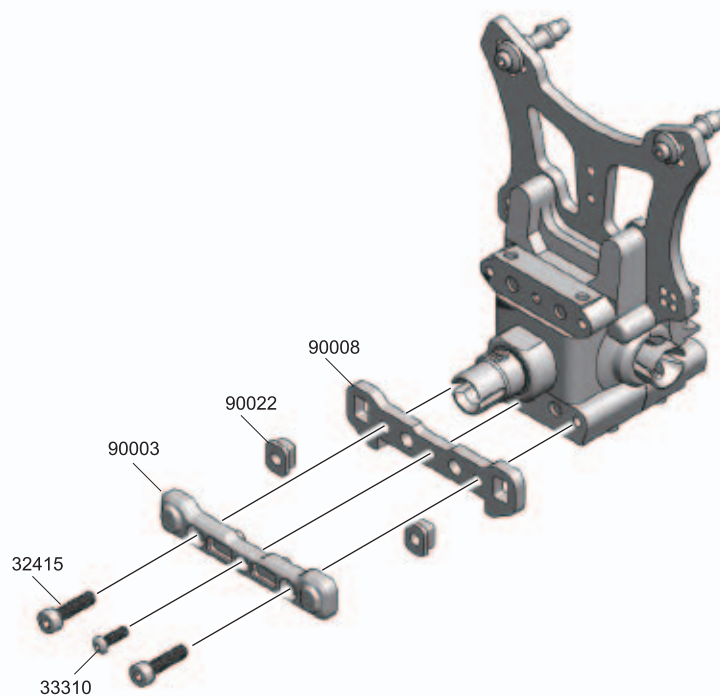


32415
4x15mm x2
Cap Screw



90022
Adjustable Insert
x2

15



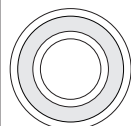
Rear Hub Assembly



87027
5x5mm x2
Set Screw

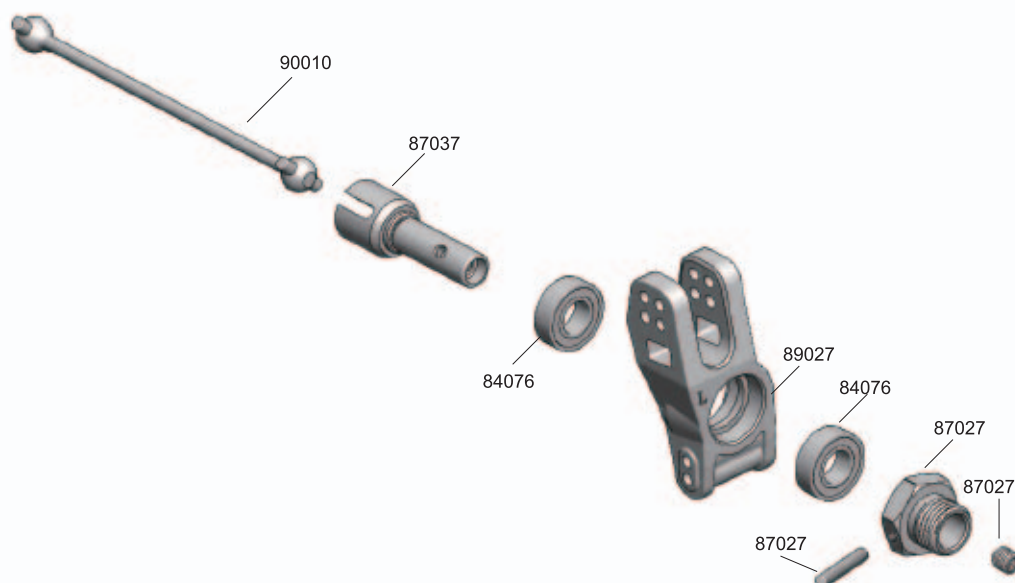


87027
2.5x16.8mm x2
Pin



84076
8x16x5mm x4
Ball Bearing

16



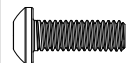
Rear Suspension Arm Assembly 1



39008
M3 Nut x2



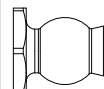
30002
7.8mm x2
Ball Long



35412
4x12mm x1
B/H Screw



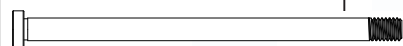
89027
3.1x6.5x2mm x4
Washer



30005
Ball Flanged x2

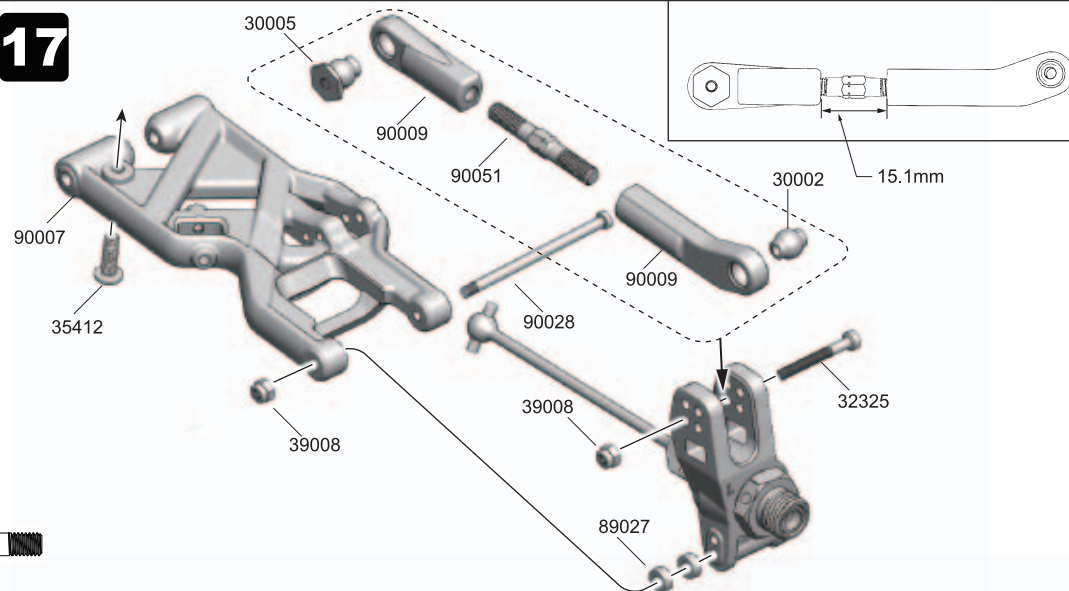


32325
3x25mm x2
Cap Screw



90028 3x50mm x2
Cap Screw

17



Rear Suspension Arm Assembly 2



90022
Adjustable Insert
x2



32316
3x16mm x2
Cap Screw



87044S
3x10mm x2
Alum.Washer

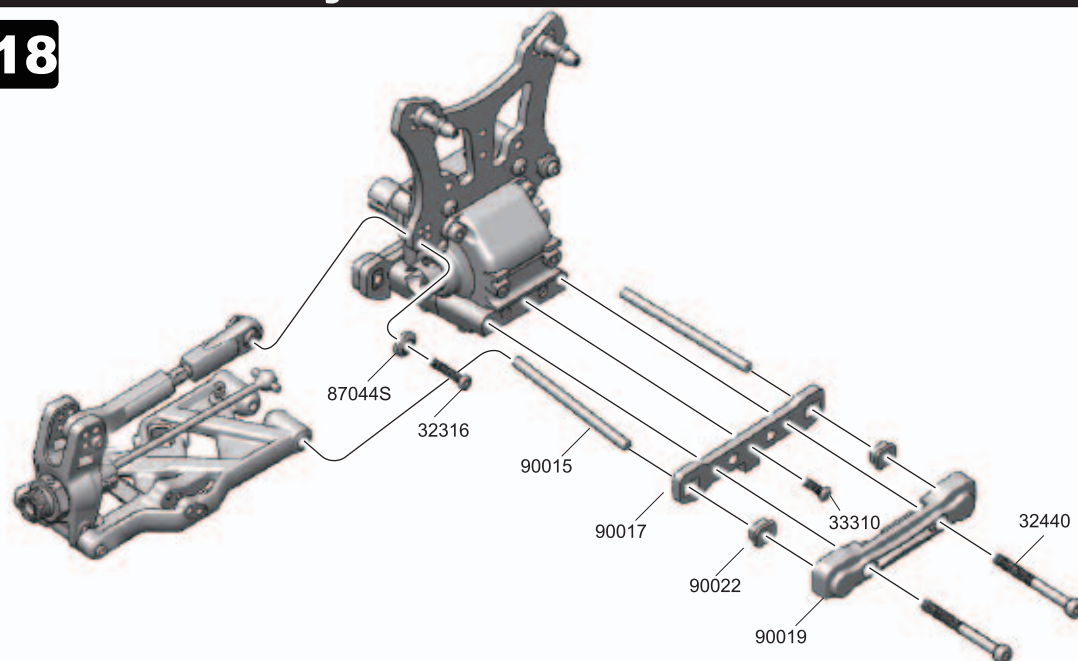


33310
3x10mm x1
B/H Screw



32440
4x40mm x2
Cap Screw

18



Rear Stabilizer Assembly



87044S
3x10mm x2
Alum.Washer

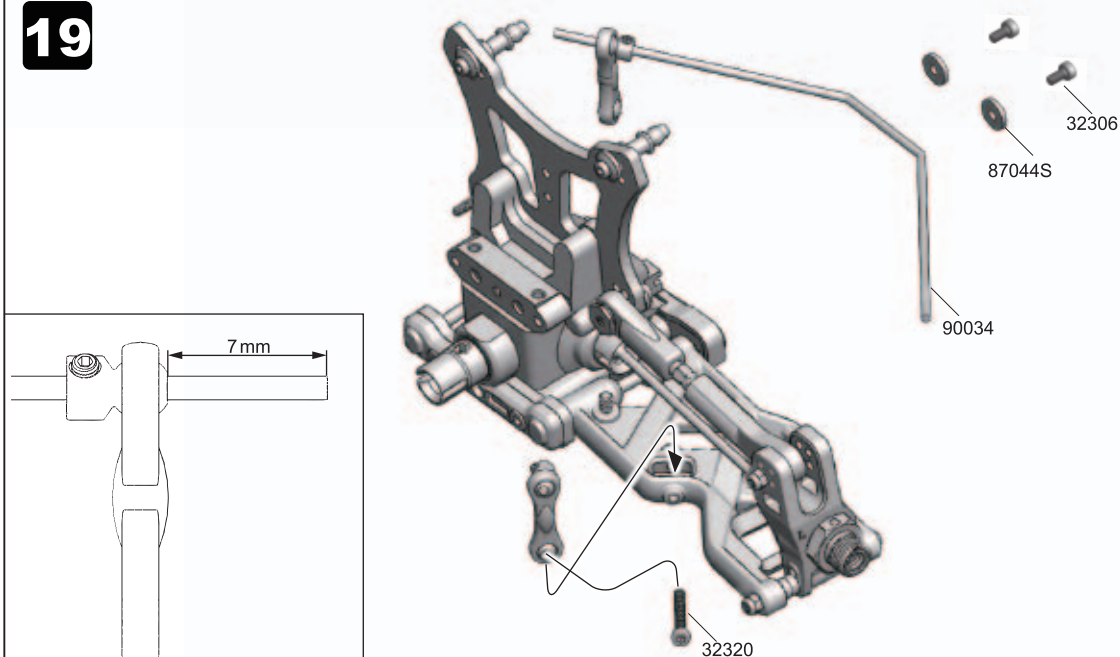


32306
3x6mm x2
Cap Screw



32320
3x20mm x2
Cap Screw

19



Rear Chassis Stiffener Mount Assembly

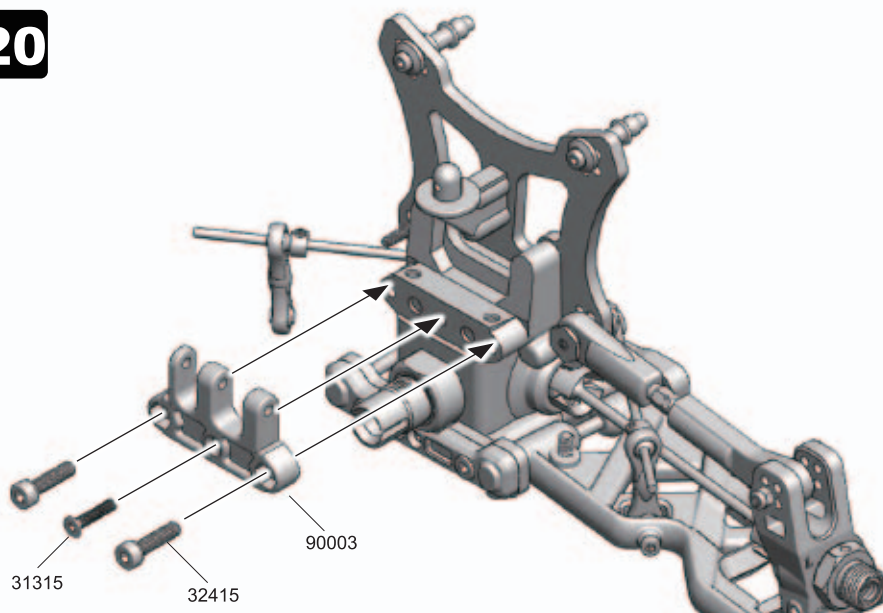


32415
4x15mm x2
Cap Screw



31315
3x15mm x1
F/H Screw

20



Wing Assembly 1

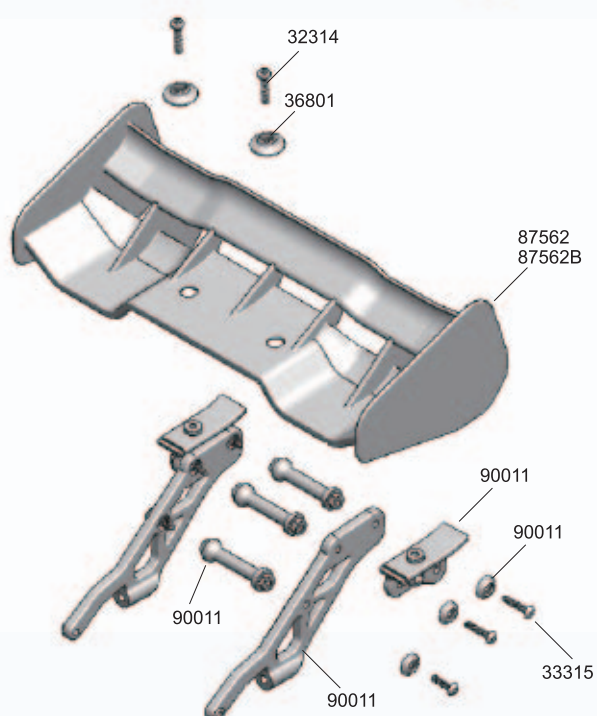


32314
3x14mm x2
Cap Screw



33315
3x15mm x6
B/H Screw

21

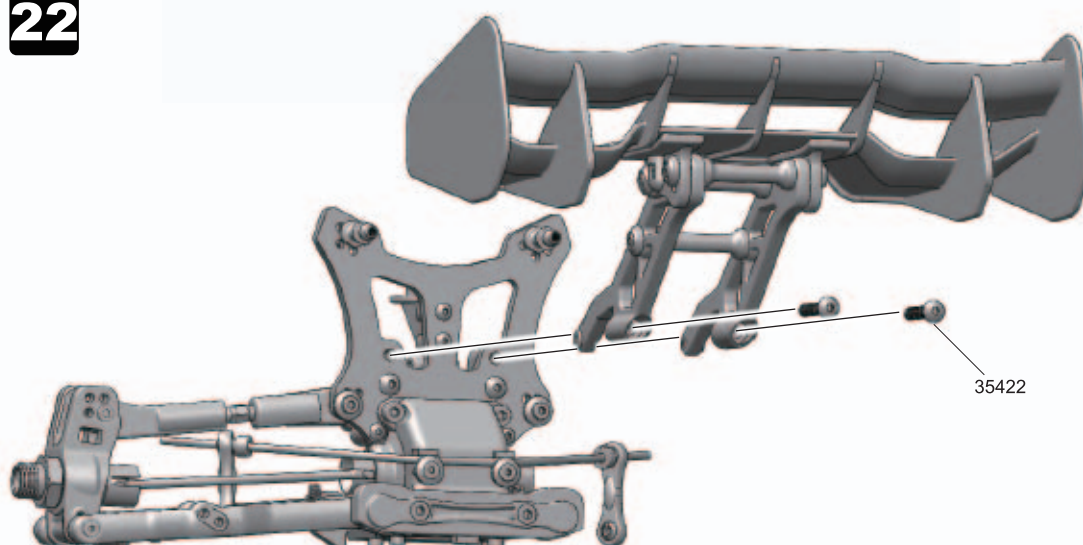


Wing Assembly 2



35422
4x22mm x2
B/H Tap Screw

22

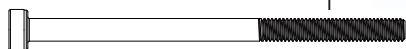


Rear Chassis Stiffener Assembly

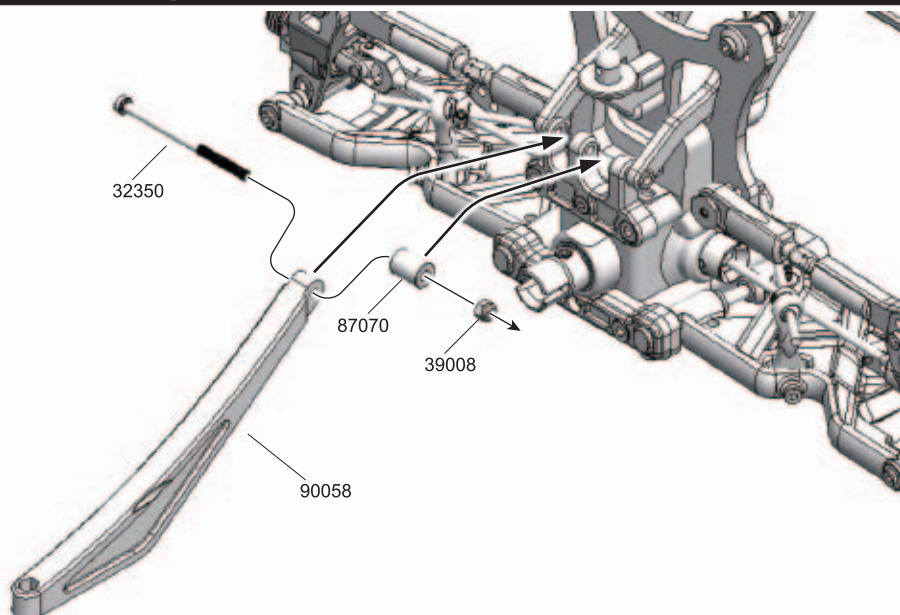


39008
M3 Nut x1

23



32350
3x50mm x1
Cap Screw



Rear Clip Assembly

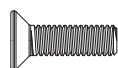


39008
M3 Nut x1

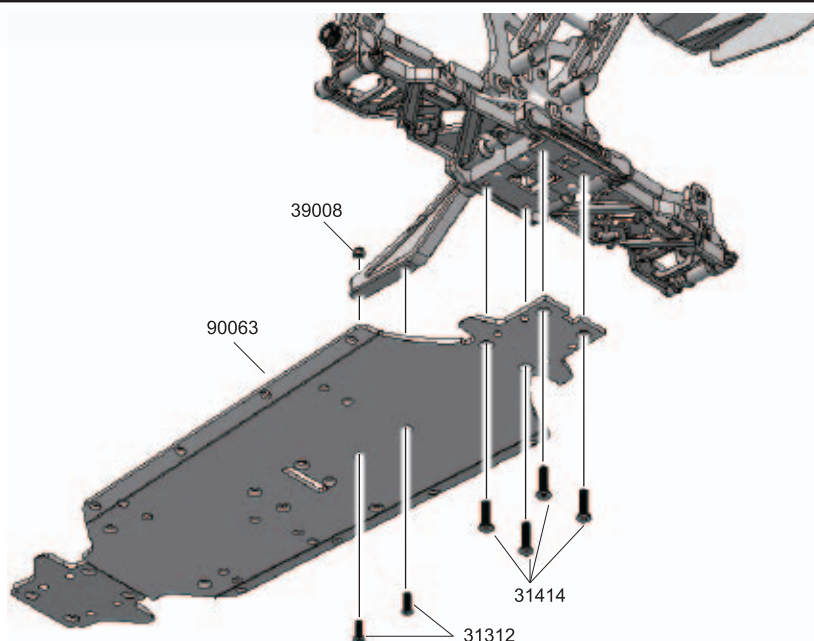
24



31312
3x12mm x2
F/H Screw



31414
4x14mm x4
F/H Screw

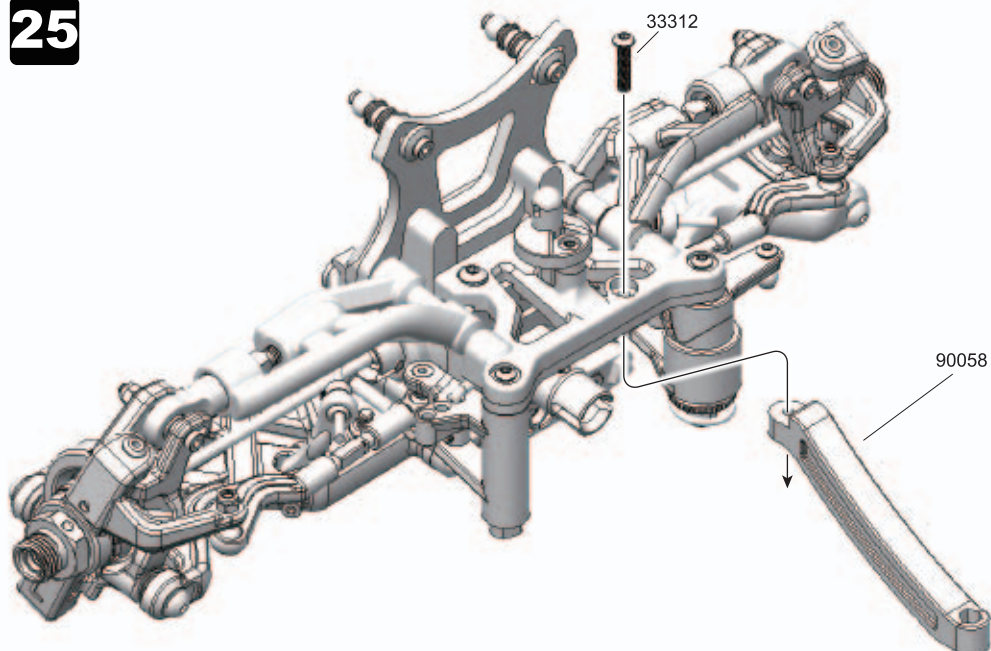


Front Chassis Stiffener Assembly



33312
3x12mm x1
B/H Screw

25



Front Clip Assembly



39008
M3 Nut x1



31410
4x10mm x2
F/H Screw

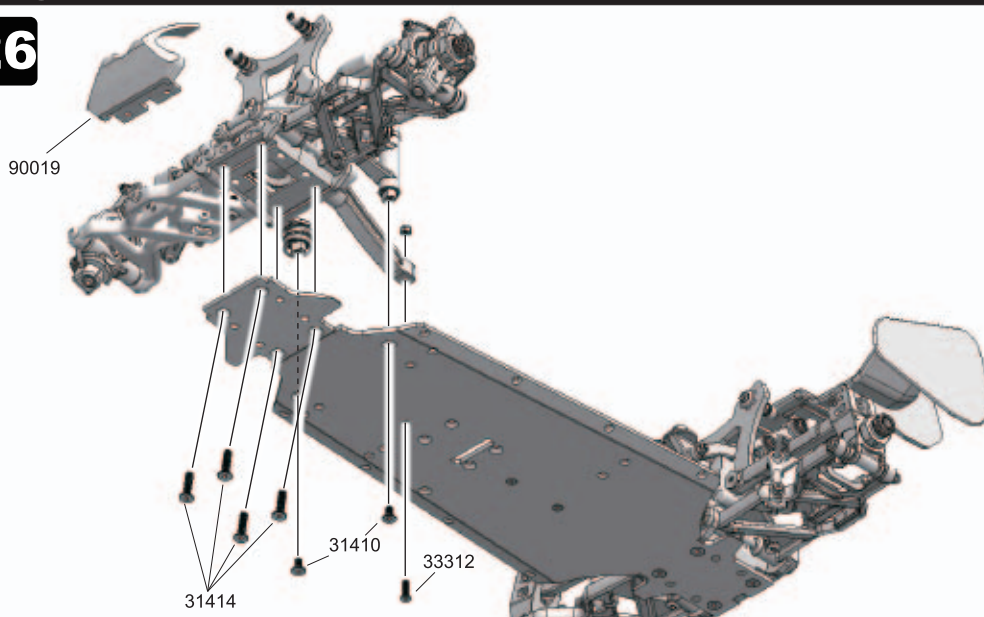


31414
4x14mm x4
F/H Screw



33312
3x12mm x1
B/H Screw

26



Center Differential/Motor Unit Assembly



38404
4x4mm x1
Set Screw



33310
3x10mm x4
B/H Screw

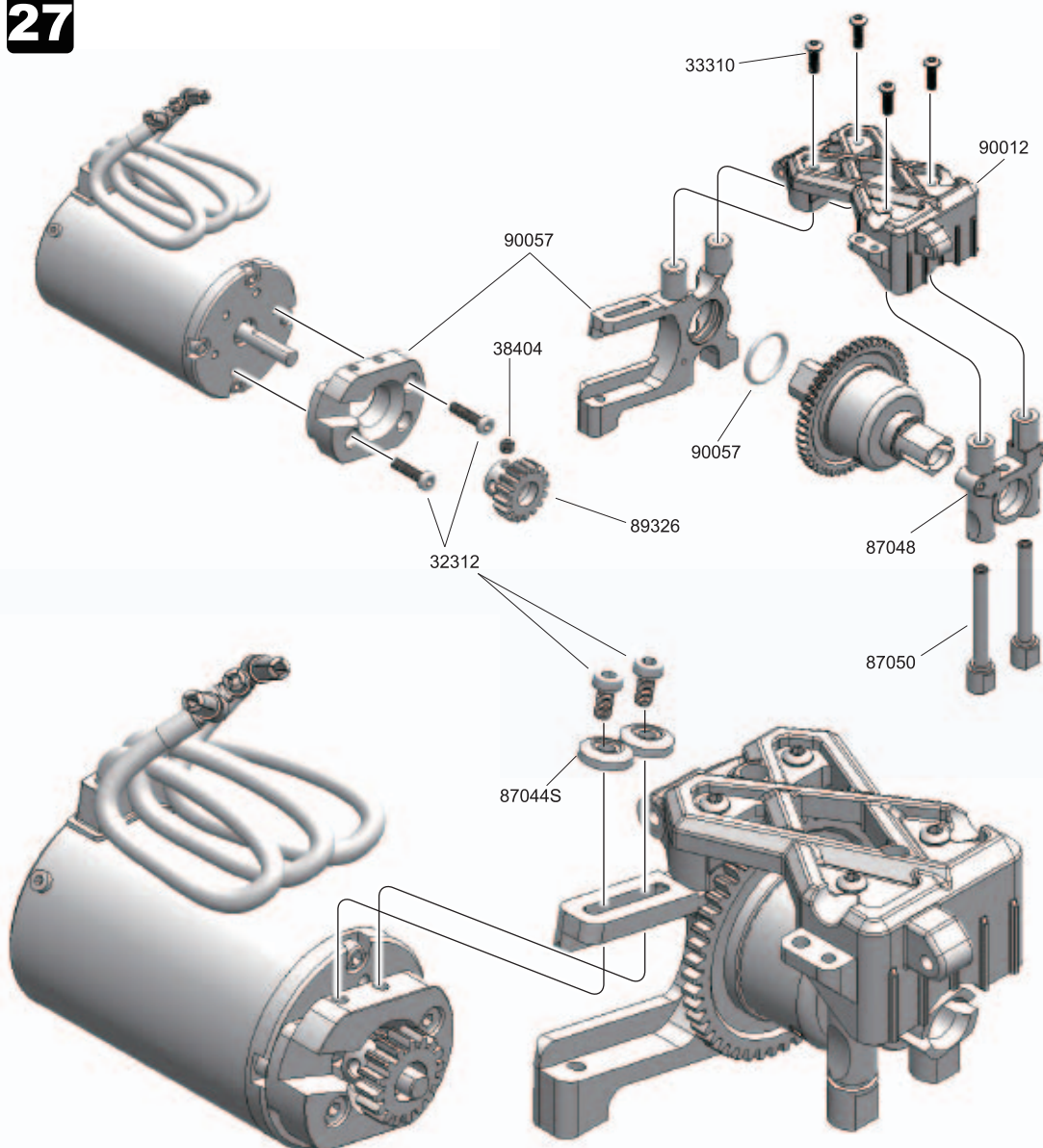


32312
3x12mm x4
Cap Screw



87044S
3x10mm x2
Alum. Washer

27

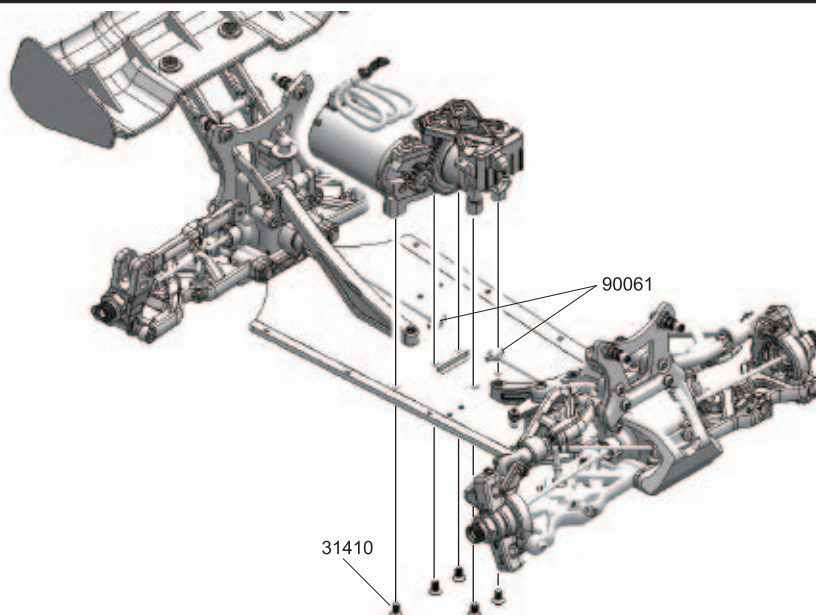


Center Drivetrain Assembly



31410
4x10mm x5
F/H Screw

28



Side Guard Assembly

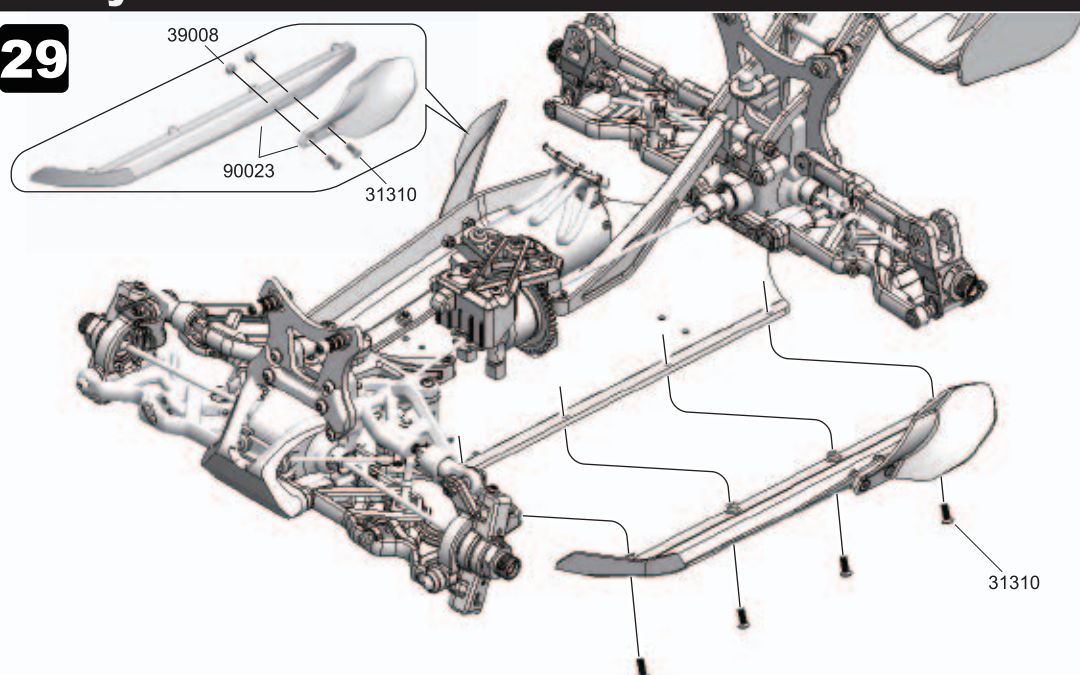


31310
3x10mm x12
F/H Screw



39008
M3 Nut x4

29



Receiver Box/Steering Servo Assembly



32308
3x8mm x1
Cap Screw

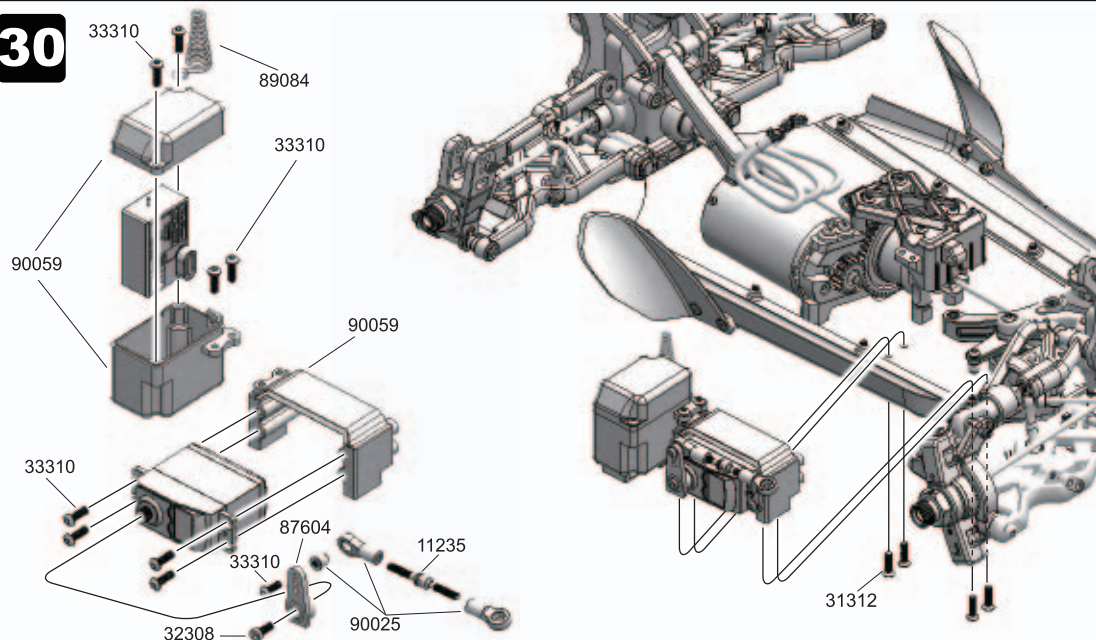


33310
3x10mm x9
B/H Screw



31312
3x12mm x4
F/H Screw

30

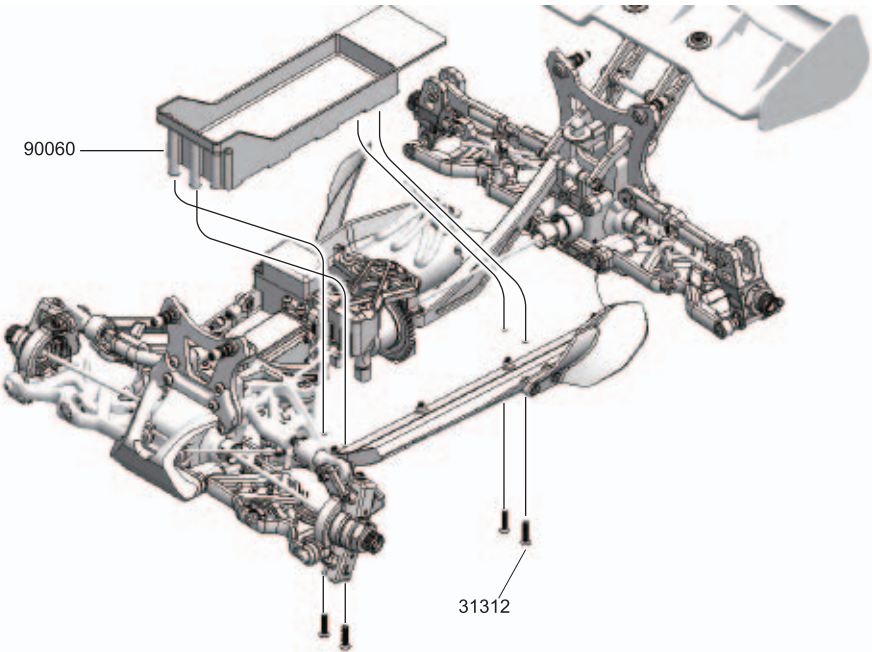


Battery Tray Assembly



31312
3x12mm x4
F/H Screw

31

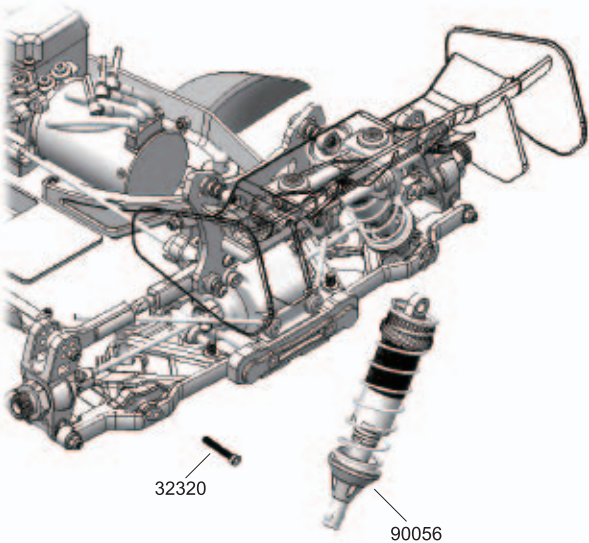
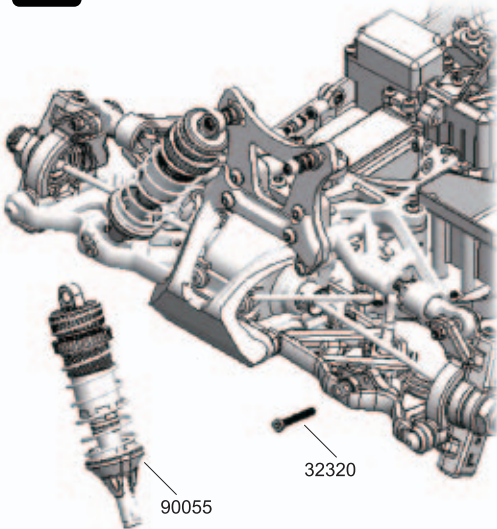


Front/Rear Shock Assembly



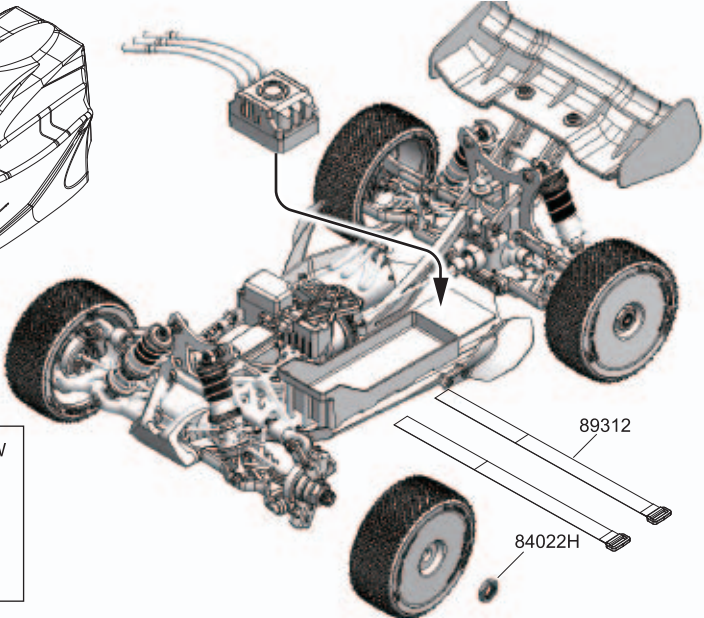
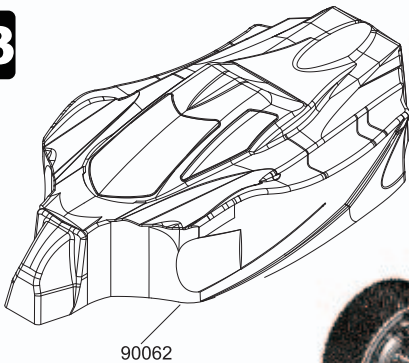
32320
3x20mm x4
Cap Screw

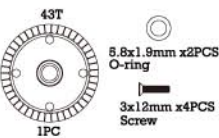
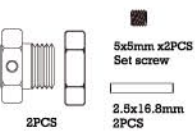
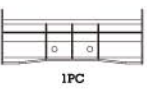
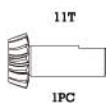
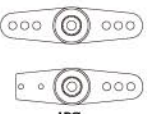
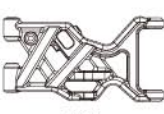
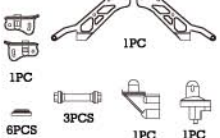
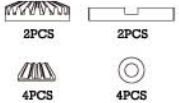
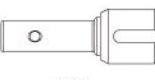
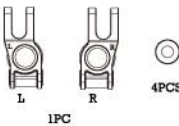
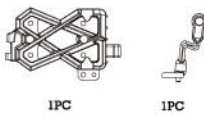
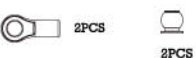
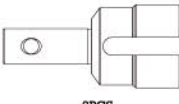
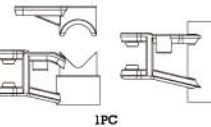
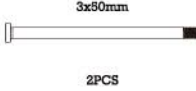
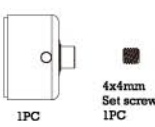
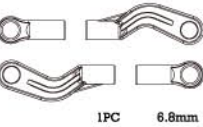
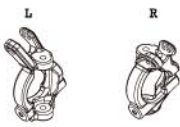
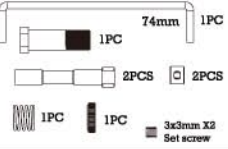
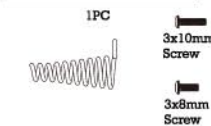
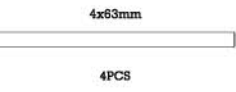
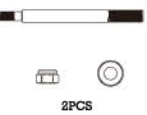
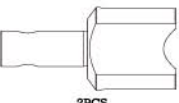
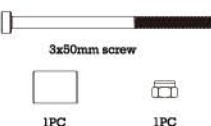
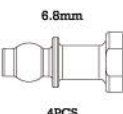
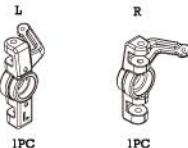
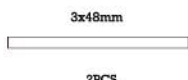
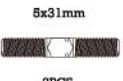
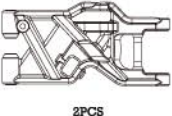
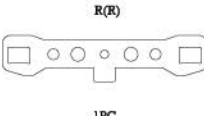
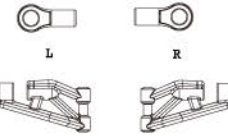
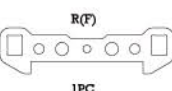
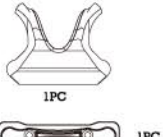
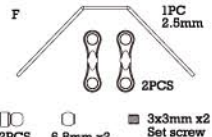
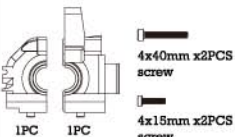
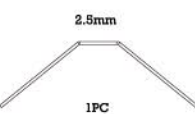
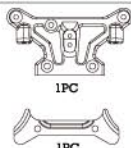
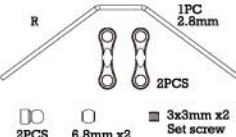
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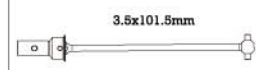
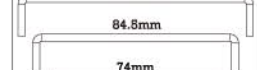
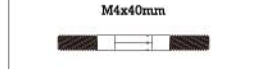
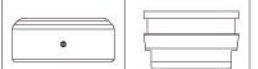
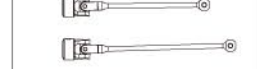
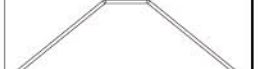
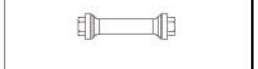
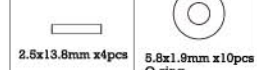
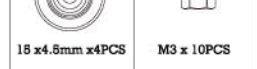
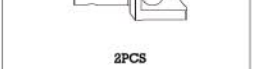
Body/ESC/Tire Assembly

33

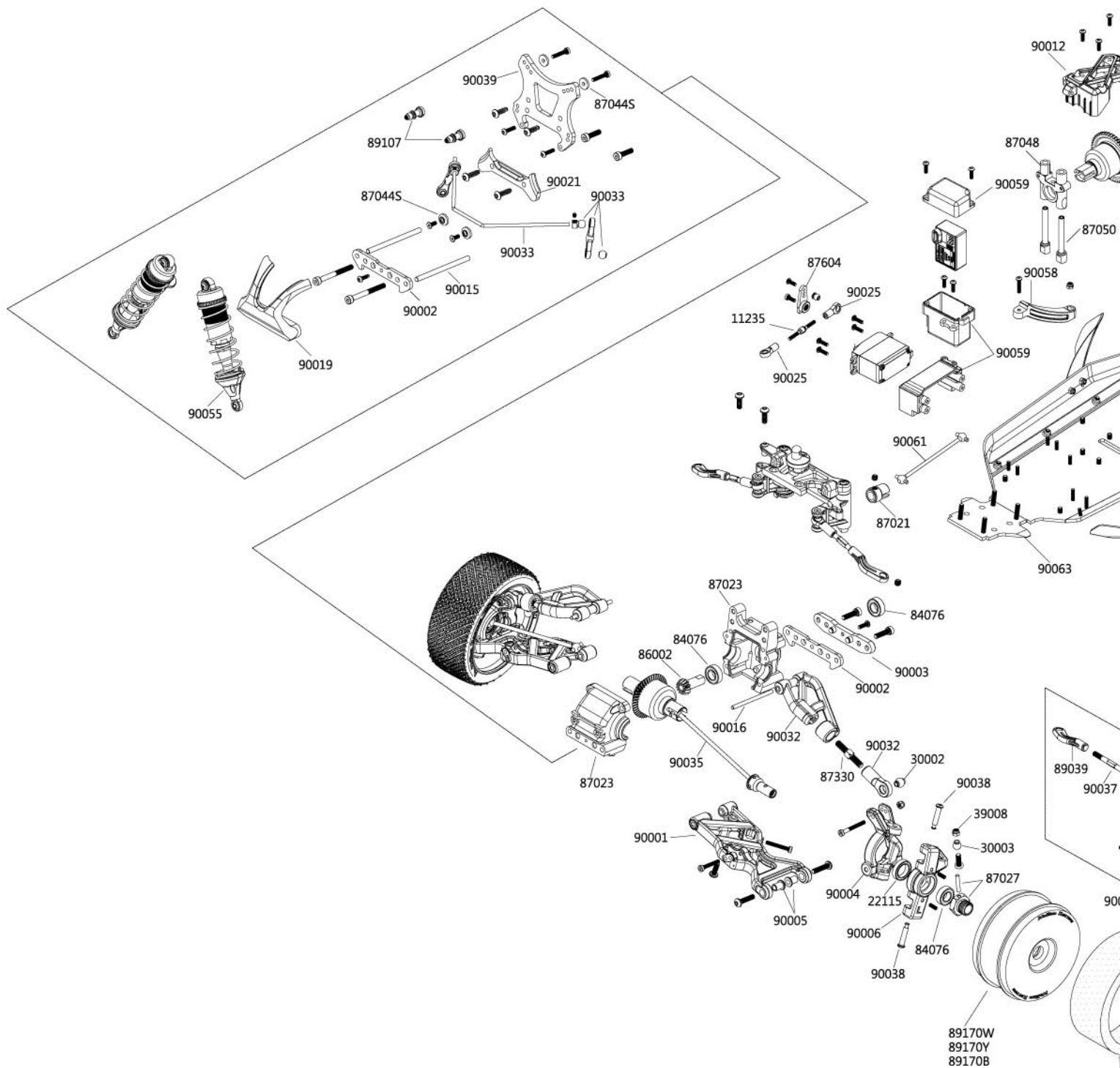


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86002  1PC	87027-1  4PCS	87604  1PC	90001  2PCS	90011  1PC 1PC 1PC 1PC 6PCS 3PCS	90023  L R
87002  2PCS 2PCS 4PCS 4PCS	87037  2PCS	89027  L R 4PCS	90002  1PC	90012  1PC 1PC	90025  2PCS 2PCS
87003  2PCS	87044S  10PCS	89037  1PC	90003  1PC 1PC	90013  4PCS	90028  2PCS
87004  1PC 1PC	87048  2PCS	89039  1PC 6.8mm	90004  L R	90014  1PC 2PCS 2PCS 1PC 1PC 3x3mm x2 Set screw	90029  2PCS
87005-1  6PCS	87050  2PCS	89084  1PC 3x10mm Screw 3x8mm Screw	90005  4PCS 4x18mm x4PCS screw	90015  4PCS	90030  2PCS
87006  2PCS	87070  1PC 1PC	89107  4PCS	90006  L R 1PC 1PC	90016  2PCS	90031  2PCS
87018  4PCS	87330  2PCS	89170W  2PCS	90007  2PCS	90017  1PC	90032  L R
87021  2PCS 2PCS	87338  1PC	89170B  2PCS	90008  1PC	90019  1PC 1PC	90033  1PC 2.8mm 2PCS 3x3mm x2 Set screw 6.8mm x2
87023  1PC 1PC 2PCS 2PCS	87356-1  1PC	89170Y  2PCS	90009  2PCS 2PCS	90021  1PC 1PC	90034  1PC 2.8mm 2PCS 3x3mm x2 Set screw 6.8mm x2

HYPER SS ELECTRIC PARTS LIST

90035  2PCS	90050  2PCS	90062 	11235 22115  2PCS  2PCS	OP-0019 	87005  1PC
90036 	90051  2PCS	90063 	OP-0001 	OP-0020 	87329 
90037  2PCS	90052 	84022H 	OP-0002 	OP-0021 	87329-2 
90038 	90054 	84076 84078 	OP-0003 	OP-0022 	87329-3 
90039 	90055 90056 	89326 30002 	OP-0004 OP-0006 	OP-0031 	87356 
90040 	90057 	30003 30004 	OP-0007 	OP-0036 OP-0037 	88036 
90043 90044 	90058 	30005 	OP-0009 	OP-0038 OP-0039 	89147 
90045 90046 	90059 	36001 36101 	OP-0011 	OP-0049 	89635 
90047 90048 	90060 	36102 	OP-0012 	OP-0050 	
90049 	90061 	36801 39008 	OP-0014 	OP-0052 	

HYPERSS





PARTS LIST

1/8TH SCALE RACING BUGGY

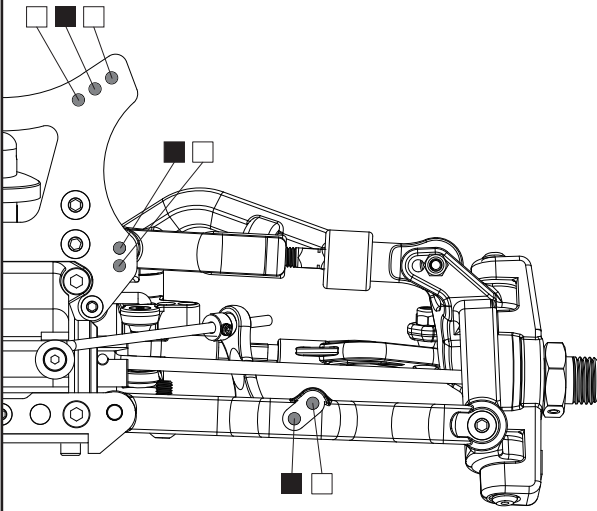
STANDARD PARTS		90014	SERVO SAVER SET	84022H	WHEEL HEX NUT
86001	CROWN GEAR 43T	90015	PIN 4x63MM	84076	BEARING 8x16x5MM
86002	DIFFERENTIAL PINION GEAR 11T	90016	PIN 3x48MM	84078	BEARING 6x10x3MM
87002	BEVEL GEAR SET	90017	REAR LOWER ALUM ARM HOLDER - B PLATE	30002	BALL LONG 7.8MM
87003	DIFFERENTIAL OUTDRIVE CUP	90019	FRONT/REAR BUMPER SET	30003	STEERING BALL 6.8MM
87004	DIFFERENTIAL CASE	90021	FRONT TOP PLATE HOLDER	30004	BALL 6.8MM
87005-1	SPACER 6.2x13.9x0.3MM	90022	ADJUSTABLE INSERT SET	30005	BALL FLANGED 7.8MM
87006	CENTER DIFFERENTIAL OUTDRIVE CUP	90023	SIDE GUARD/MUD DEFLECTOR	36001	PIN 2.5x13.8MM
87018	SHOCK BOOTS	90025	BALL END/BALL FLANGED 5.8MM	36101	O-RING 5.8x1.9MM
87021	OUTDRIVE CUP	90028	SCREW M3x50MM	36102	O-RING 22x0.9MM
87023	GEAR BOX	90029	"L" PATTERN TIRE-NBR	36801	ALUM COLLAR
87027	WHEEL HUB SET	90030	FRONT SHOCK SHAFT	39008	M3 NYLON NUT
87027-1	PIN 2.5x16.8MM	90031	REAR SHOCK SHAFT	11235	TURNBUCKLE 3x36.5MM
87037	AXLE CUP	90032	FRONT UPPER ARM SET	22115	BEARING 12x18x4MM
87044S	ALUM COLLAR	90033	FRONT STABILIZER SET	89326	1/8 BRUSHLESS MOTOR GEAR - 16T - 5MM
87048	CENTER DIFFERENTIAL MOUNT	90034	REAR STABILIZER SET		
87050	CENTER DIFFERENTIAL MOUNT POST	90035	CVD SHAFT		
87070	REAR CHASSIS STIFFENER SCREW SET	90036	SHOCK ABSORBER REPAIR SET		
87330	TURNBUCKLE M5x31	90037	TURNBUCKLE 4x40MM		
87338	CENTER SPUR GEAR 48T	90038	HINGE PIN		
87356-1	FRONT ANTI-ROLL BAR 2.5MM	90039	FRONT SHOCK TOWER		
87562/B	REAR WING - WHITE/BLACK	90040	REAR SHOCK TOWER		
87604	SERVO HORN	90043	FRONT SHOCK SPRING		
89027	REAR HUB SET	90044	REAR SHOCK SPRING		
89037	SERVO SAVER ARM SET	90045	FRONT SHOCK BODY		
89039	NYLON STEERING BALL END 6.8MM	90046	REAR SHOCK BODY		
89084	ANTENNA PIPE AND POST	90047	SHOCK PISTON		
89107	SHOCK BALL STUD 6.8MM	90048	SHOCK BLADDER		
89170W/B/Y	REVO WHEEL - WHITE/BLACK/YELLOW	90049	SHOCK NYLON SET		
89312	MAGIC STRIP	90050	BALL FLANGED 6.8MM		
90001	FRONT LOWER ARM SET	90051	TURNBUCKLE 5x38MM		
90002	FRONT LOWER ALUM ARM HOLDER - A PLATE	90052	SHOCK CAP TOP		
90003	FRONT/REAR LOWER NYLON ARM HOLDER - C PLATE	90053	SHOCK CAP BOTTOM		
90004	L/R C-HUB SET	90054	FRONT/REAR SHOCK ABSORBER SET		
90005	C-HUB BUSHING	90055	FRONT SHOCK ABSORBER SET		
90006	STEERING KNUCKLE SET	90056	REAR SHOCK ABSORBER SET		
90007	REAR LOWER ARM SET	90057	MOTOR MOUNT		
90008	REAR LOWER ALUM ARM HOLDER - A PLATE	90058	FRONT/REAR CHASSIS STIFFENER SET		
90009	REAR SUSPENSION ARM BALL END 7.8MM	90059	RECEIVER BOX & SERVO MOUNT		
90010	AXLE	90060	BATTERY TRAY		
90011	WING MOUNT SET	90061	FRONT/REAR CENTER DRIVE SHAFT SET		
90012	CENTER DIFFERENTIAL TOP PLATE/AIR FILTER HOLDER	90062	HYPER SS ELECTRIC PAINTED BODY		
90013	FRONT ALUM TOP PLATE	90063	CHASSIS		

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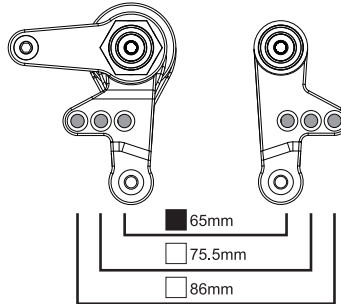
Setup Sheet

Driver : _____ Track : _____ Event : _____
Date : _____ Track Condition : _____

Front Suspension

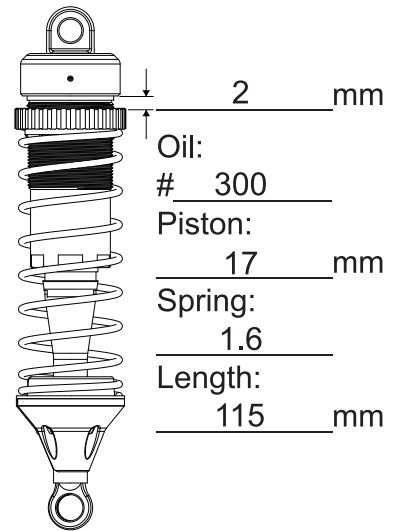


Ackerman

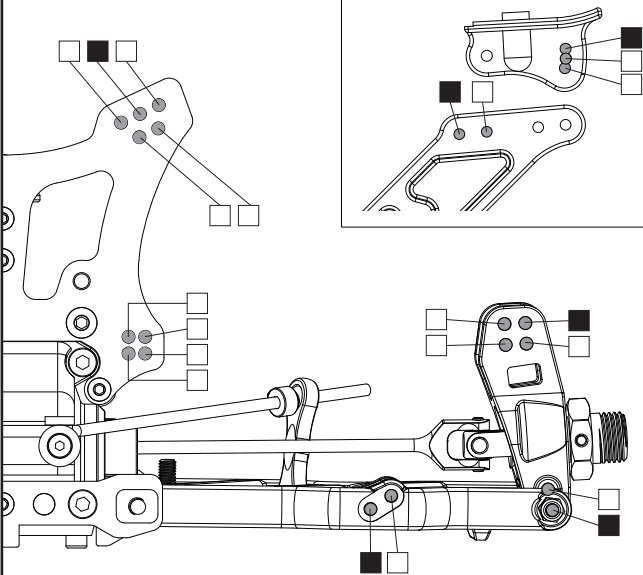


Toe: _____ 1 °
Caster: _____ 20 °
Camber: _____ -2 °
Anti-roll bar: _____ 2.5 mm
Ride height: _____ 30 mm
Droop: _____ mm

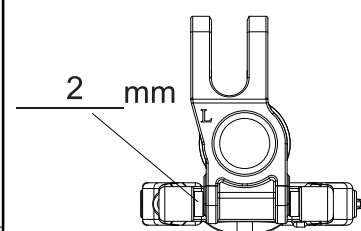
Front Shock



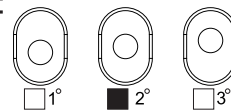
Rear Suspension



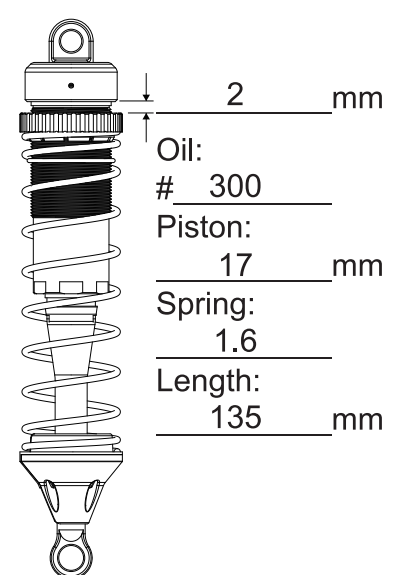
Wheelbase



Toe: _____ -3 °
Camber: _____ -2 °
Anti-roll bar: _____ 2.8 mm
Ride height: _____ 35 mm
Droop: _____ mm
Anti-squat: _____



Rear Shock



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: _____

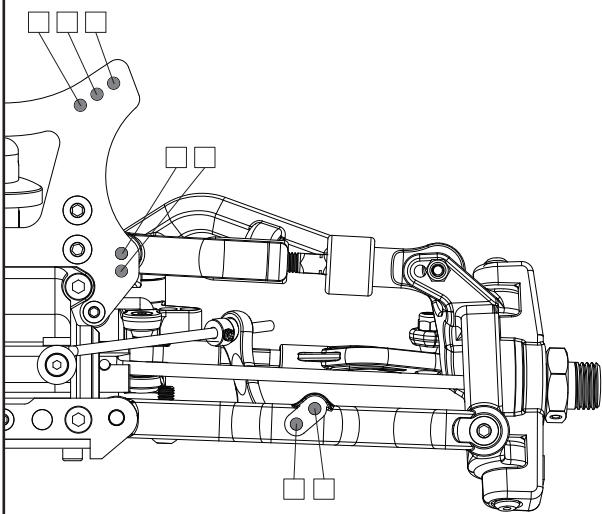
Notes

Setup Sheet

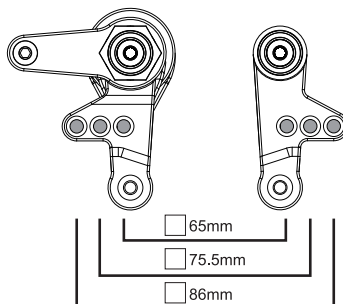
Driver : _____ Track : _____ Event : _____

Date : _____ Track Condition : _____

Front Suspension



Ackerman



Toe: _____ °
Caster: _____ °
Camber: _____ °
Anti-roll bar: _____ mm
Ride height: _____ mm
Droop: _____ mm

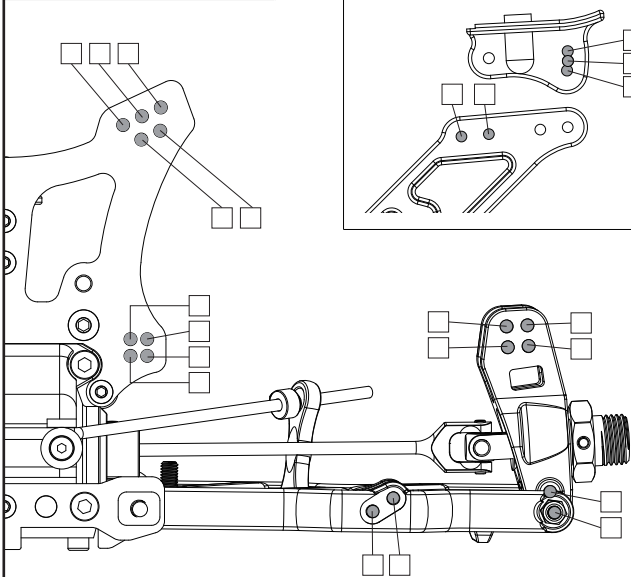
Front Shock



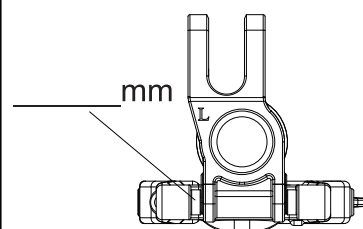
Oil: _____ mm

Piston: _____ mm
Spring: _____
Length: _____ mm

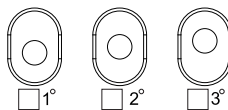
Rear Suspension



Wheelbase



Toe: _____ °
Camber: _____ °
Anti-roll bar: _____ mm
Ride height: _____ mm
Droop: _____ mm
Anti-squat: _____



Rear Shock



Oil: _____ mm

Piston: _____ mm
Spring: _____
Length: _____ mm

Power

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

Tires

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

Differentials

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

Notes

ESC Setup

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

1/8 OFF-ROAD RACING CAR

HYPERSS e

HOBao ENTERPRISING CO.,LTD.

www.hobao-racing.com

E-Mail:hobao@hobao.com.tw

Made in Taiwan