1/8 OFF-ROAD RACING CAR

HYPER SS

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HYPER

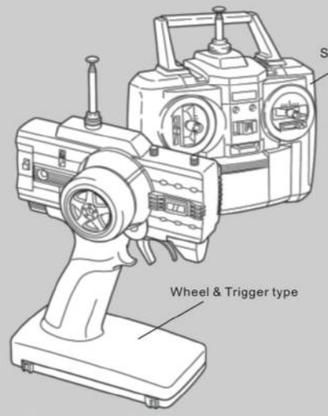
HOBAO ENTERPRISING CO.,LTD.
www.hobao-racing.com
E-Mail:hobao@hobao.com.tw
Made in Taiwan

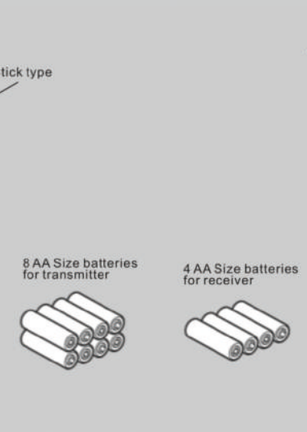
INSTRUCTION MANUAL

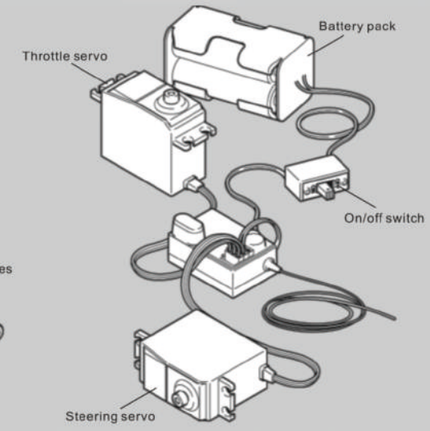
Hobao Racing

HYPER SS

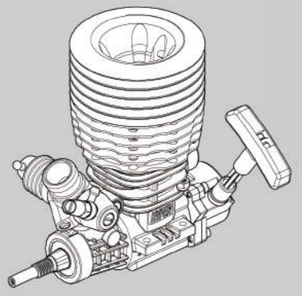
Radio control equipment set



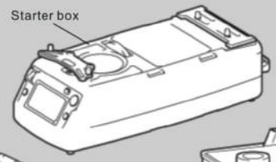


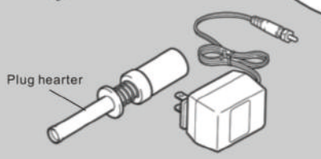


Hyper/Mac Engine series

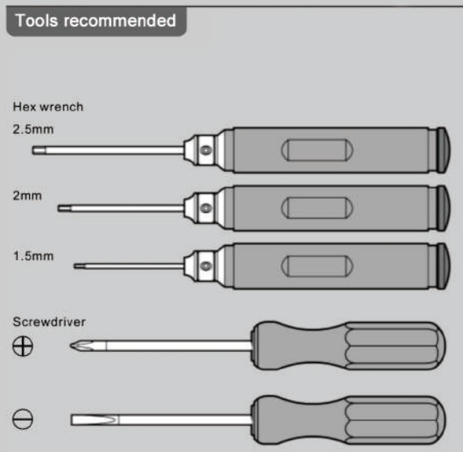


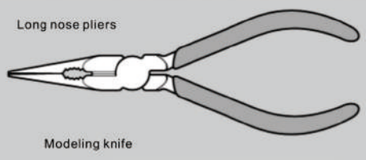
Required for engine starting

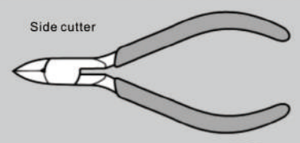


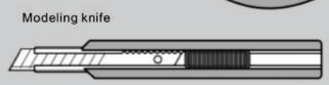


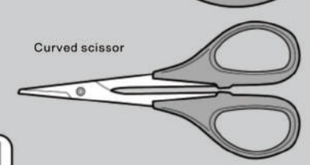
Tools recommended

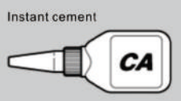


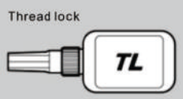


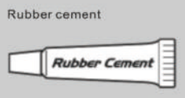


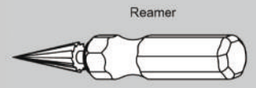




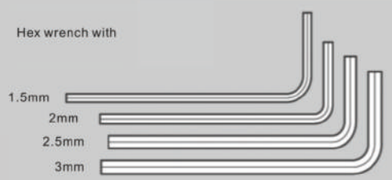


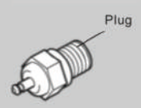




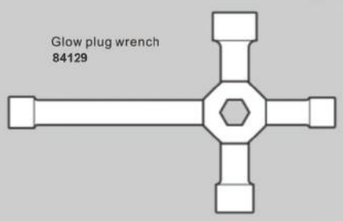


Included items





optional items



Shock Assembly

90030(90031)
M2.6 Nut x2

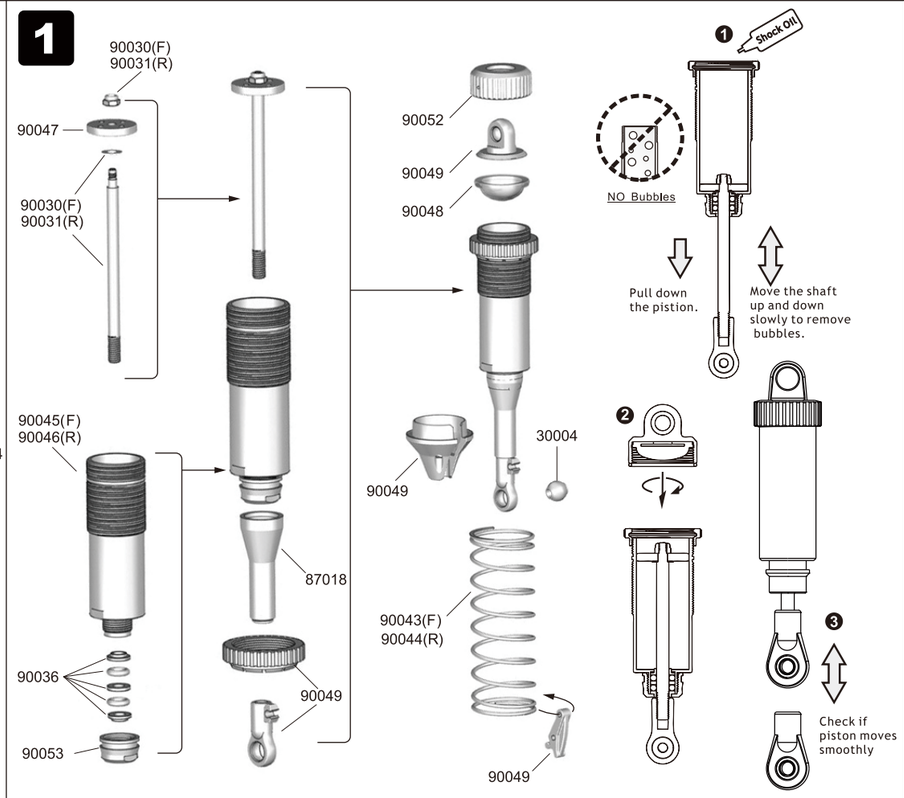
90030(90031)
3.1x7x0.25mm x4
Washer

90036
O-ring Shield x8

90036
4x8mm x8
O-Ring

90036
4.05x7.98x1.2mm x4
Washer

30004
6.8mm x4
Ball



Center Differential Assembly

87004
4x4mm x1
Set Screw

33312
3x12mm x4
B/H Screw

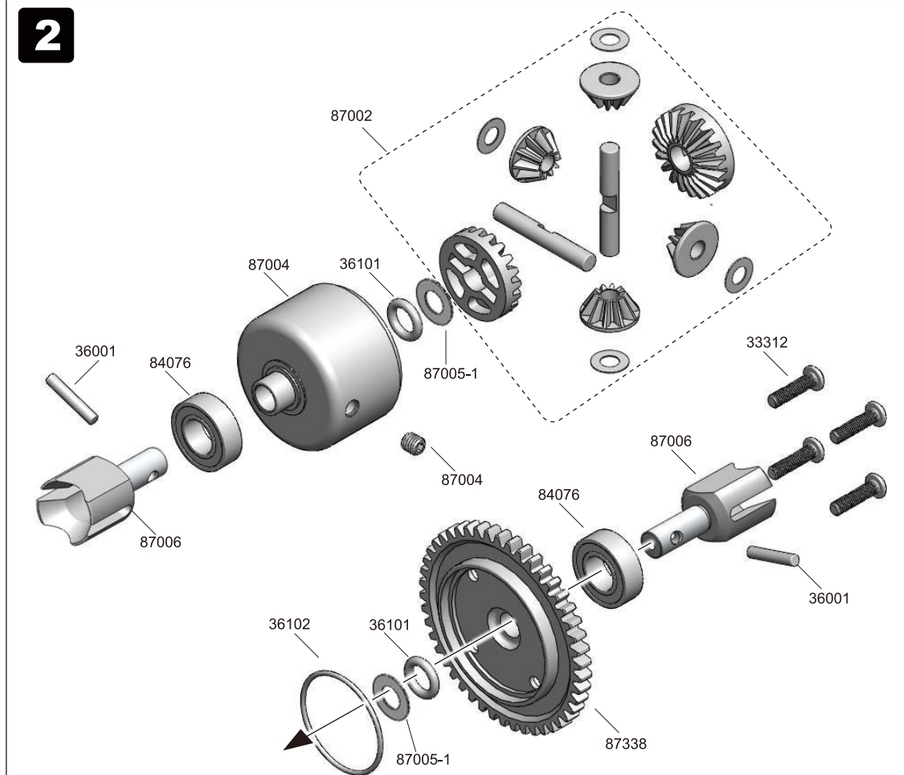
36001
2.5x13.8mm x2
Pin

36101
5.8x1.9mm x2
O-Ring

84076
8x16x5mm x2
Ball Bearing

87002
4x26.8mm x2
Shaft

87005-1
6.2x13.9x0.3mm x1
Washer



Front/Rear Differential Assembly

87004
4x4mm x1
Set Screw

31310
3x10mm x4
F/H Screw

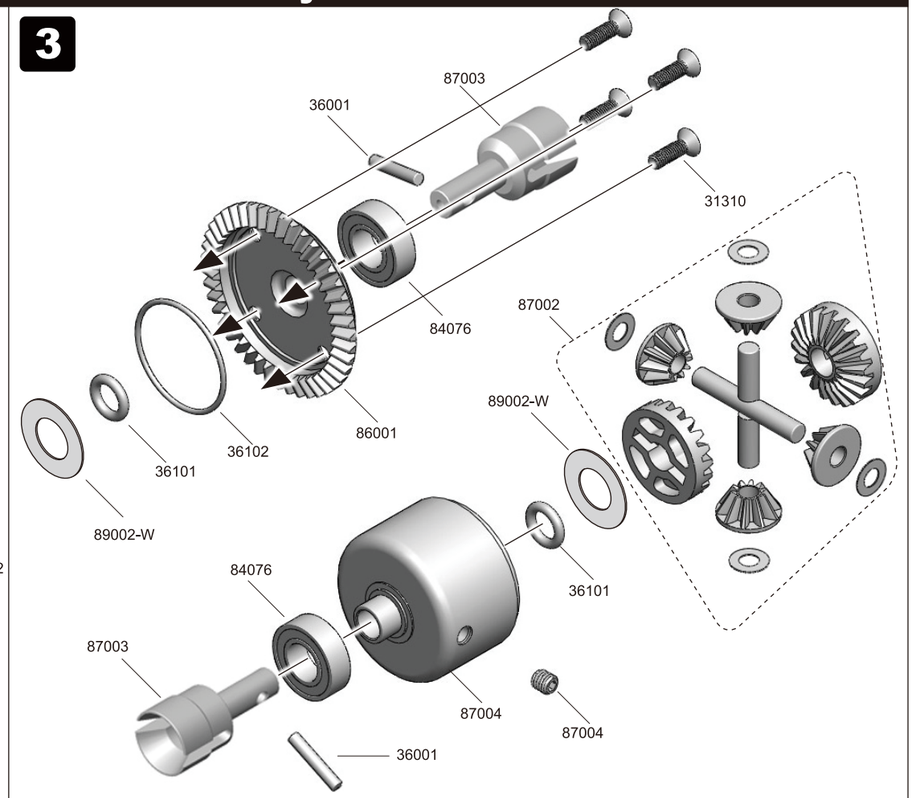
36001
2.5x13.8mm x2
Pin

36101
5.8x1.9mm x2
O-Ring

84076
8x16x5mm x2
Ball Bearing

87002
4x26.8mm x2
Shaft

89002-W
6x12x0.15mm x8
Washer

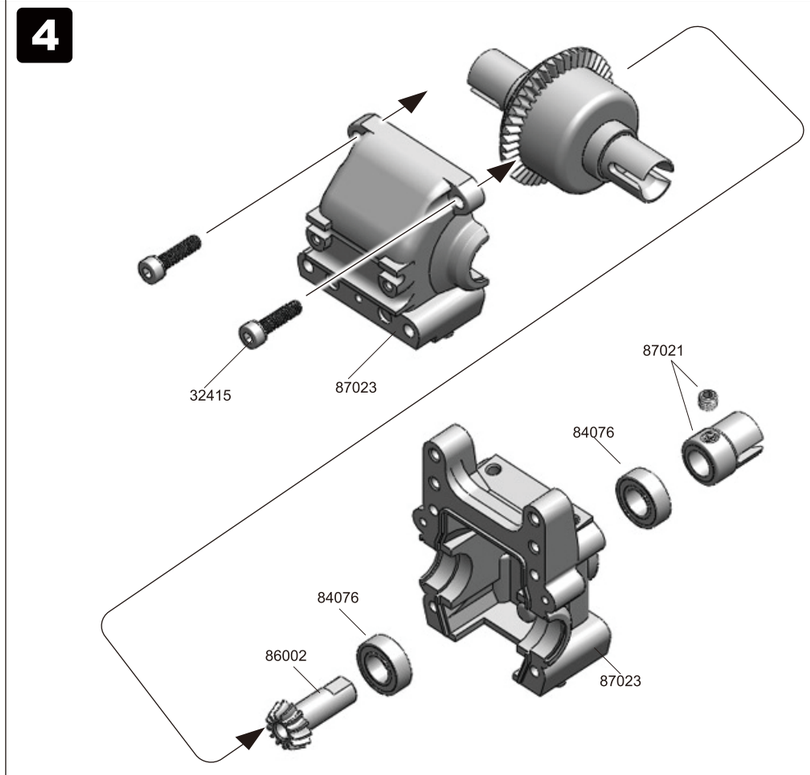


Front/Rear Gear Box Assembly

87021
5x4mm x1
Set Screw

32415
4x15mm x2
Cap Screw

84076
8x16x5mm x2
Ball Bearing



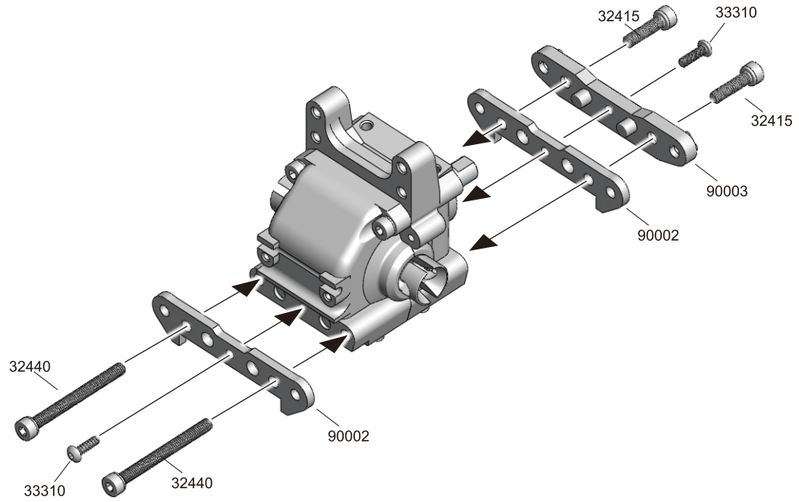
Front Lower Arm Holder Assembly

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

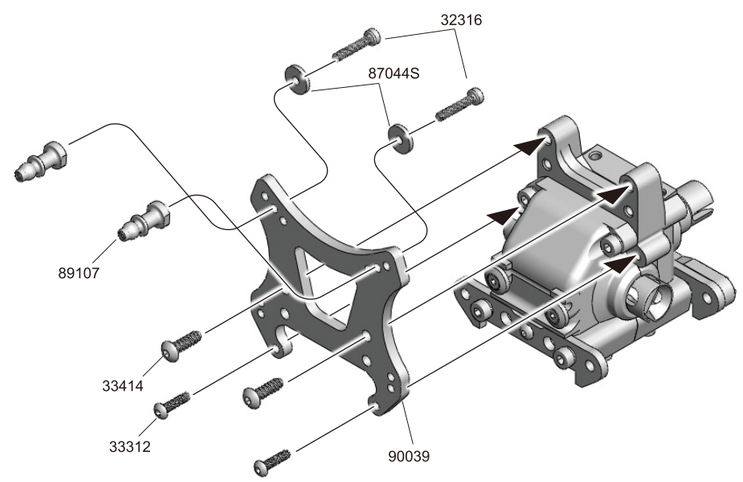
32316
3x16mm x2
Cap Screw

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

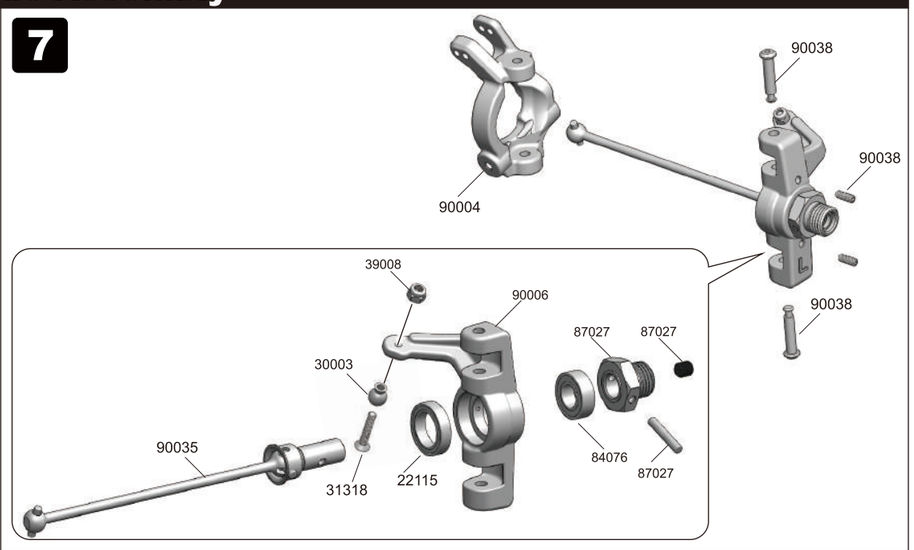
39008
M3 Nut x2

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

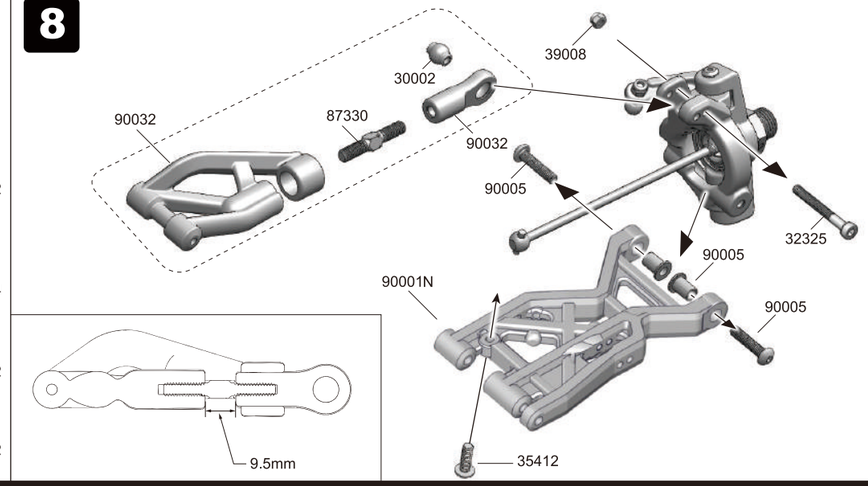
35412
4x12mm x2
B/H Screw

90005
4x18mm x4
B/H Screw

32325
3x25mm x2
Cap Screw

87330
5x31mm x2
Turnbuckle

8

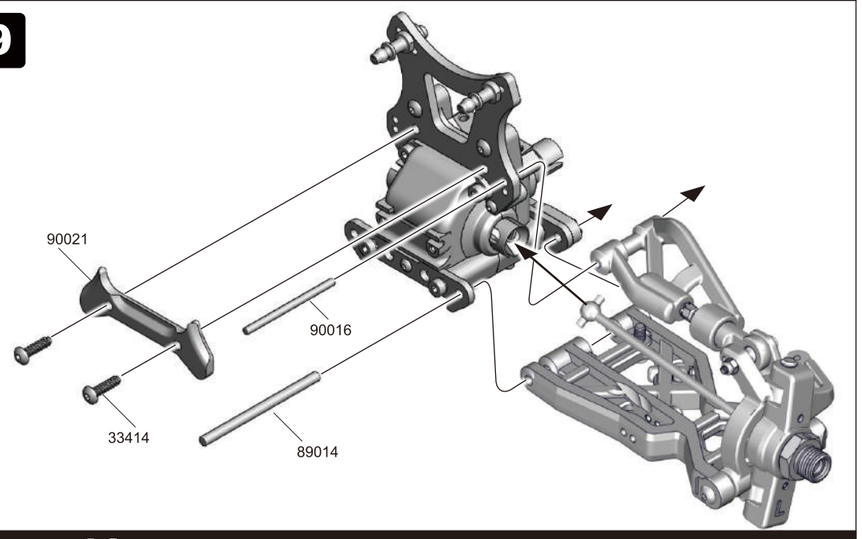


Front Suspension Arm Assembly 2

33414
4x14mm x2
B/H Screw

90016
3x48mm x2
Shaft

9



Front Stabilizer Assembly

90033
3x3mm x2
Set Screw

32306
3x6mm x2
Cap Screw

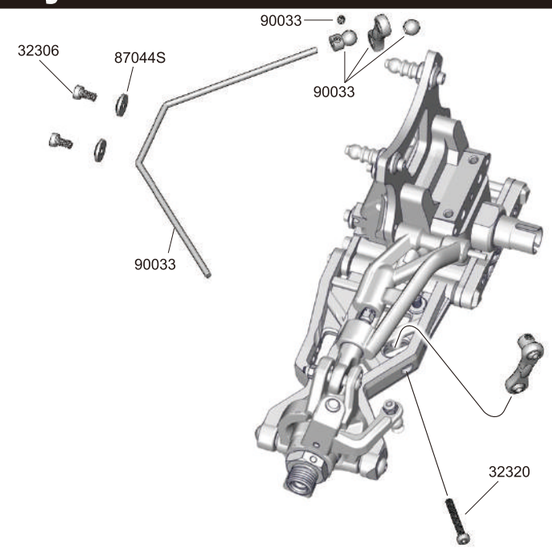
32320
3x20mm x2
Cap Screw

90033
6.8mm x2
Ball

90033
6.8mm x2
Pivot Ball

87044S
3x10mm x2
Alum.Washer

10



Servo Saver Assembly 1

38303
3x3mm x2
Set Screw

33308
3x8mm x1
B/H Screw

31320
3x20mm x2
F/H Screw

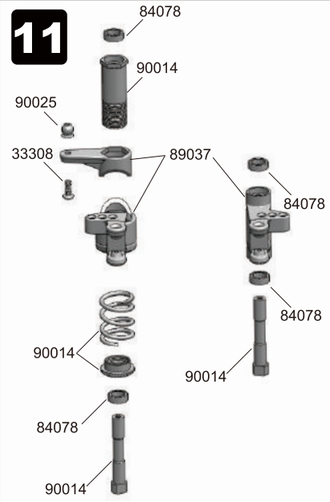
90025
5.8mm x1
Ball Flanged

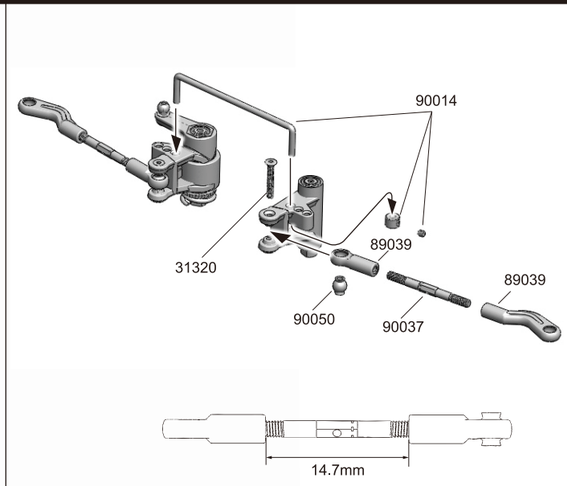
84078
6x10x3mm x4
Ball Bearing

90050
Ball Flanged x2

90014
Collet x2

11



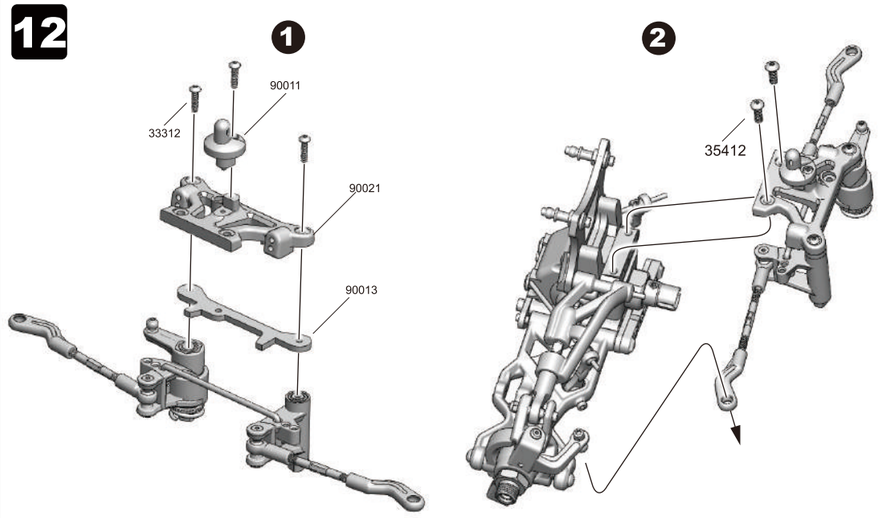


Servo Saver Assembly 2

33312
3x12mm x3
B/H Screw

35412
4x12mm x2
B/H Screw

12



Rear Shock Tower Assembly 1

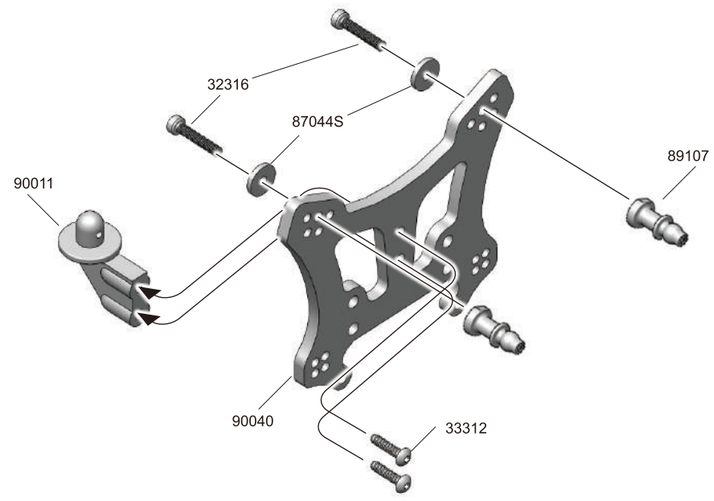
89107
6.8mm x2
Shock Ball Stud

87044S
3x10mm x2
Alum.Washer

32316
3x16mm x2
Cap Screw

33312
3x12mm x2
B/H Screw

13

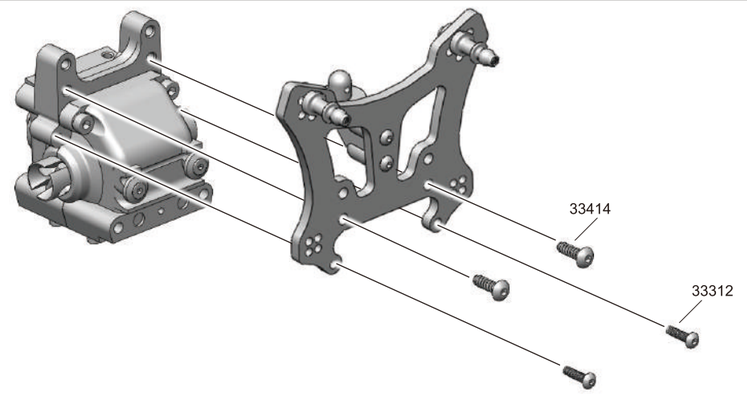


Rear Shock Tower Assembly 2

33312
3x12mm x2
B/H Screw

33414
4x14mm x2
B/H Screw

14



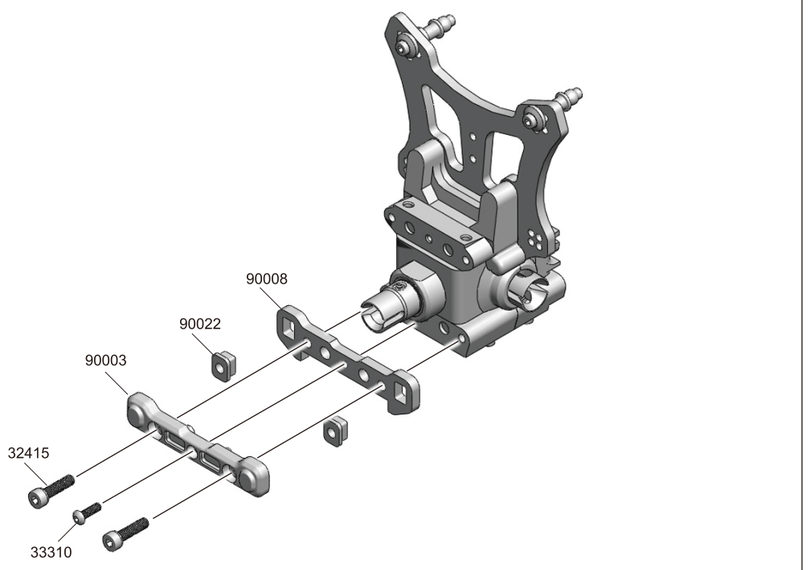
Rear Lower Arm Holder Assembly

33310
3x10mm x1
B/H Screw

32415
4x15mm x2
Cap Screw

90022
Adjustable Insert
x2

15



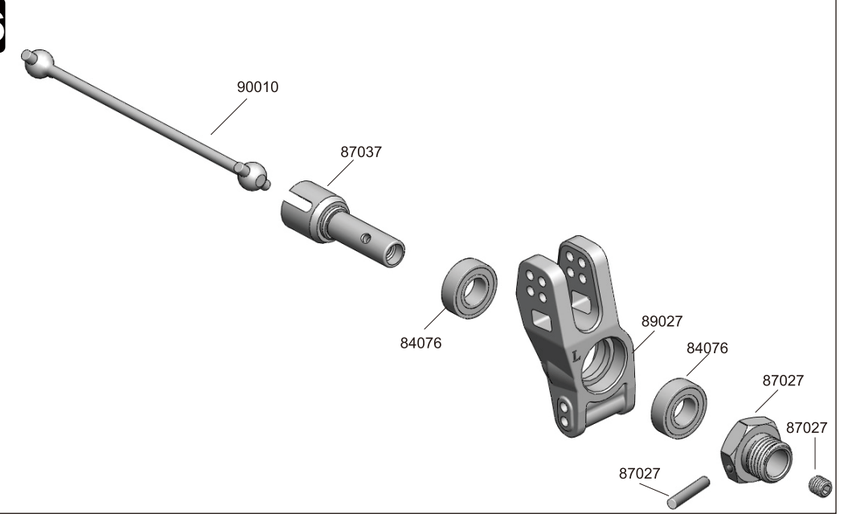
Rear Hub Assembly

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

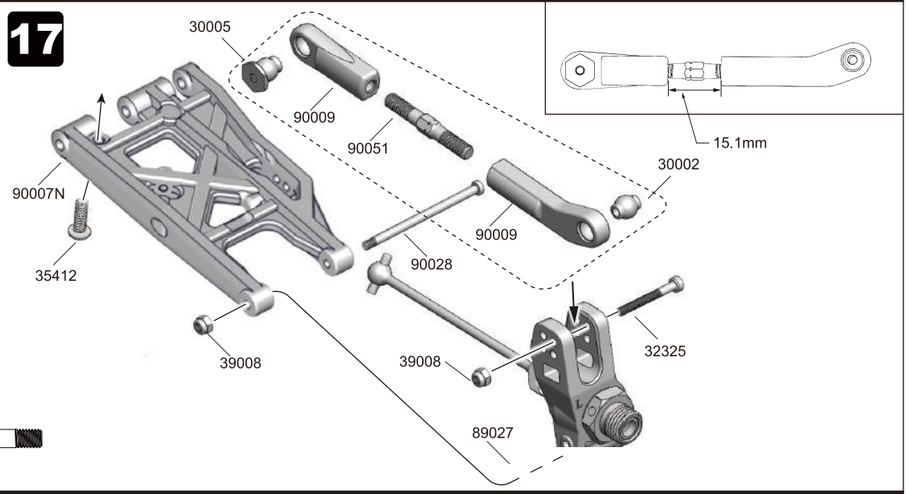
89027
3.1x6.5x2mm x4
Washer

30005
Ball Flanged x2

32325
3x25mm x2
Cap Screw

90028 3x50mm x2
Cap Screw

17



Rear Suspension Arm Assembly 2

90022
Adjustable Insert
x2

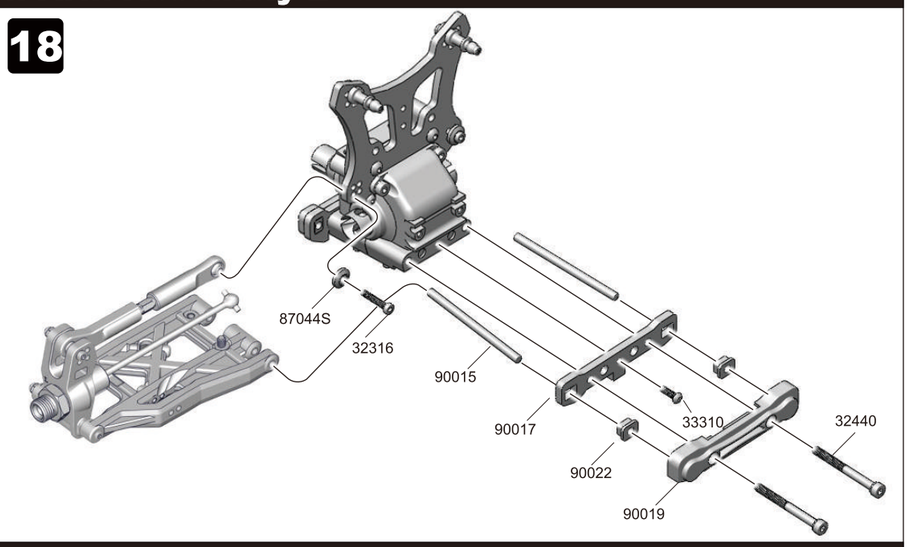
32316
3x16mm x2
Cap Screw

87044S
3x10mm x2
Alum.Washer

33310
3x10mm x1
B/H Screw

32440
4x40mm x2
Cap Screw

18



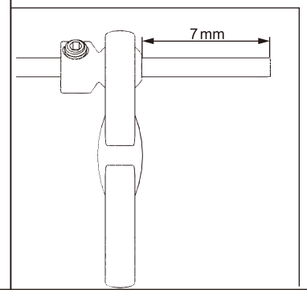
Rear Stabilizer Assembly

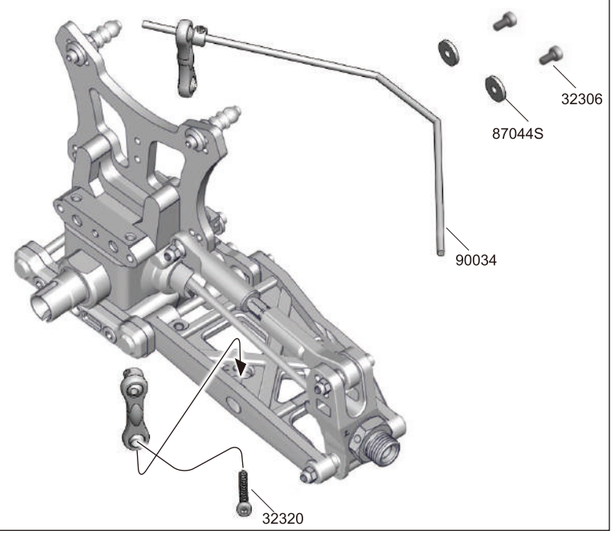
87044S
3x10mm x2
Alum.Washer

32306
3x6mm x2
Cap Screw

32320
3x20mm x2
Cap Screw

19



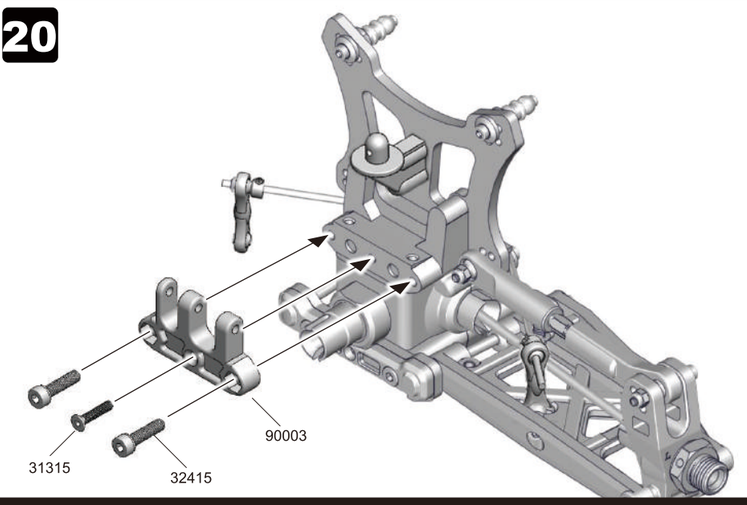


Rear Chassis Stiffener Mount Assembly

32415
4x15mm x2
Cap Screw

31315
3x15mm x1
F/H Screw

20

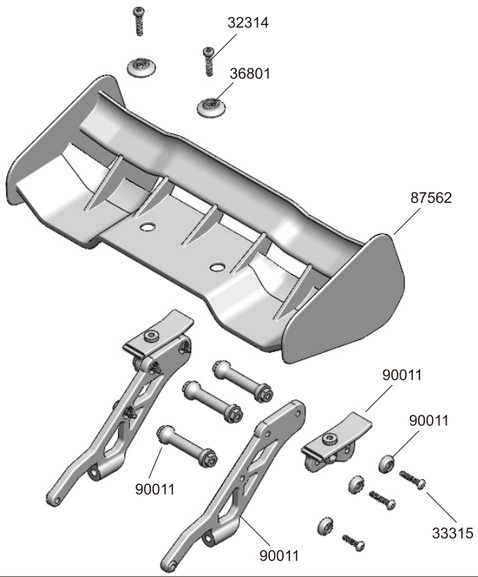


Wing Assembly 1

32314
3x14mm x2
Cap Screw

33315
3x15mm x6
B/H Screw

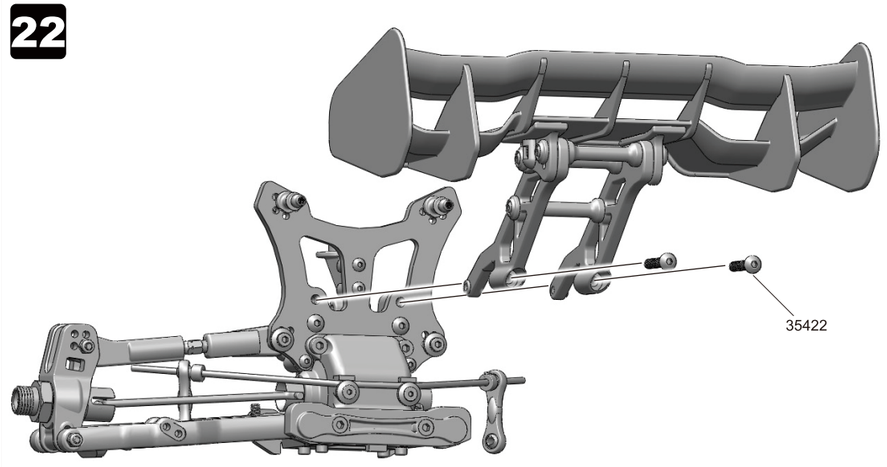
21



Wing Assembly 2

35422
4x22mm x2
B/H Screw

22

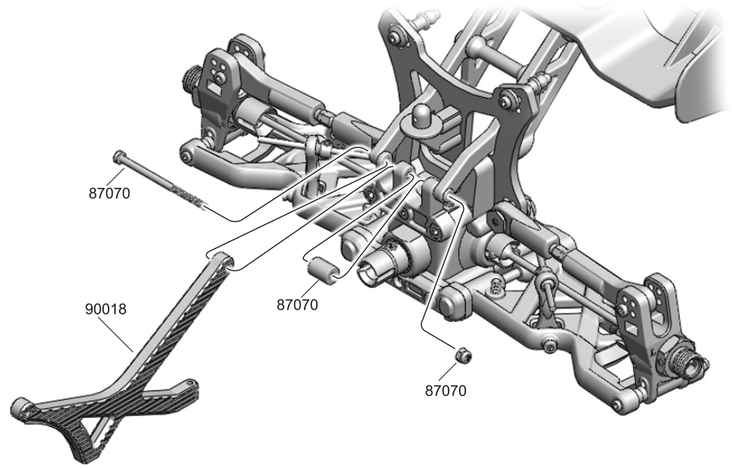


Rear Chassis Stiffener Assembly

87070
M3 Nut x2

87070
3x50mm x1
Cap Screw

23

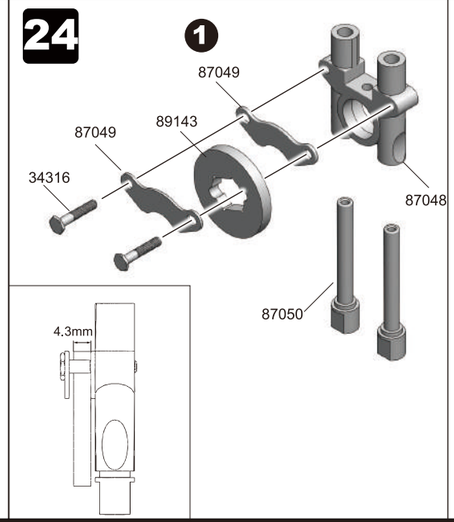


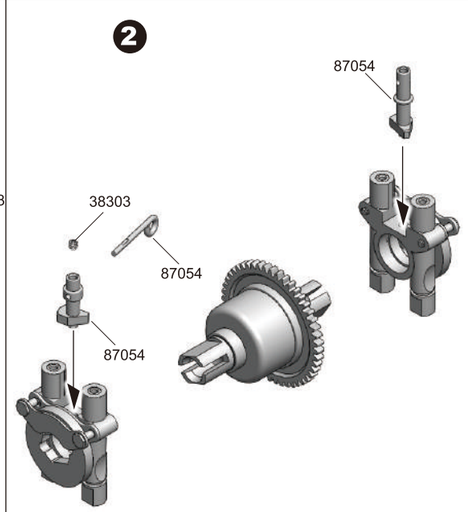
Center Differential Mount Assembly 1

38303
3x3mm x1
Set Screw

34316
3x16.5mm x4
Hex Screw

24



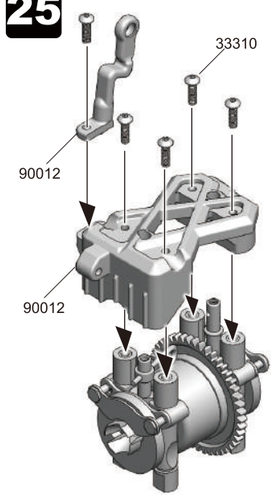


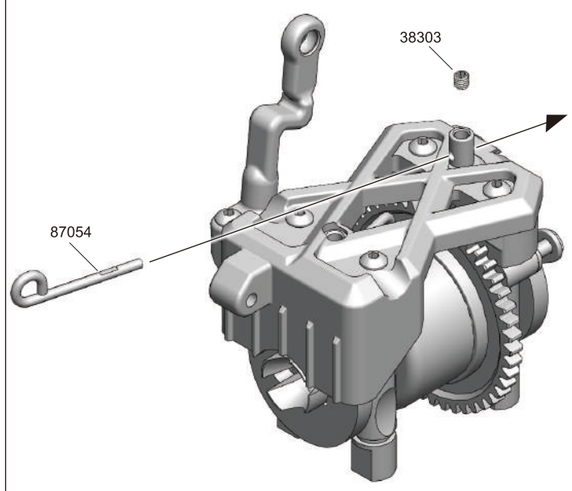
Center Differential Mount Assembly 2

38303
3x3mm x1
Set Screw

33310
3x10mm x5
B/H Screw

25



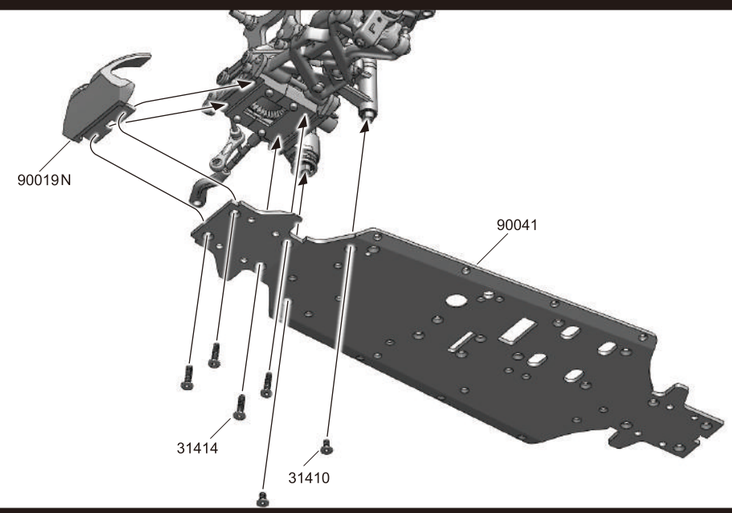


Front Clip Assembly

31414
4x14mm x4
F/H Screw

31410
4x10mm x2
F/H Screw

26

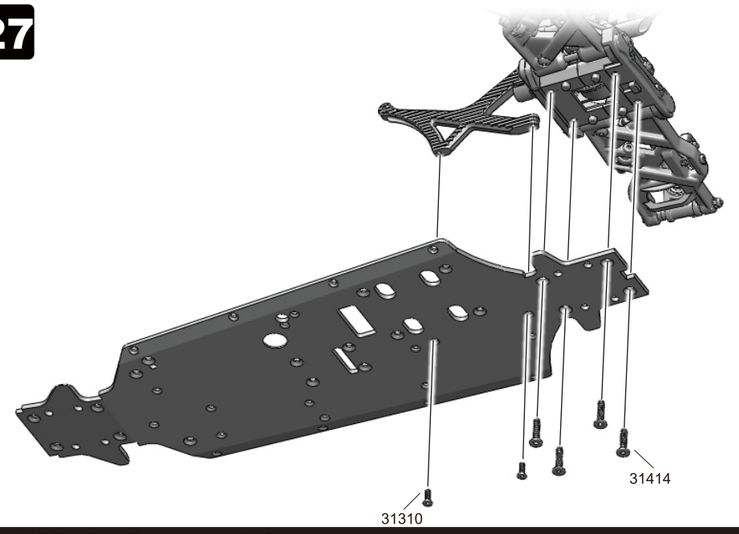


Rear Clip Assembly

31414
4x14mm x4
F/H Screw

31310
3x10mm x2
F/H Screw

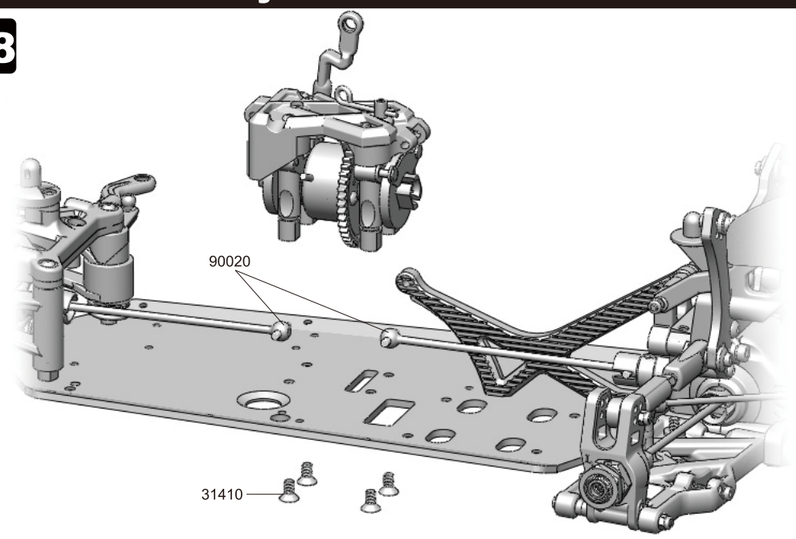
27



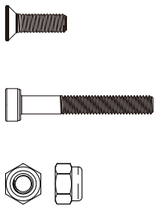
Center Differential Unit Assembly

31410
4x10mm x4
F/H Screw

28



Front Chassis Stiffener Assembly

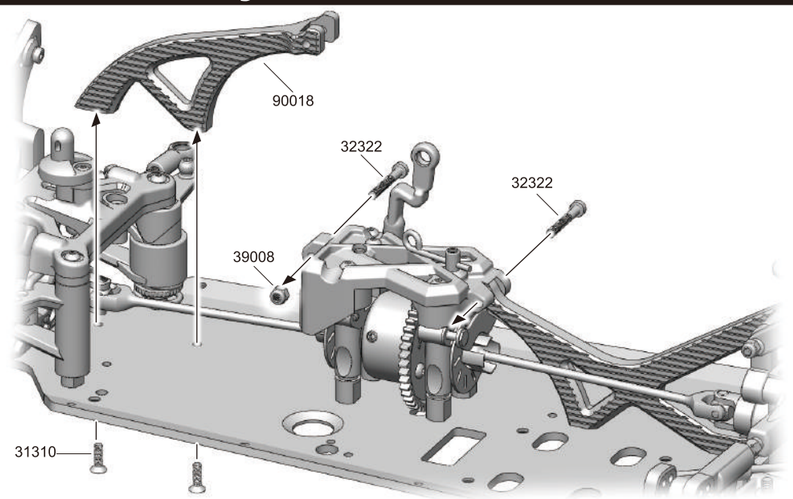


31310
3x10mm x2
F/H Screw

32322
3x22mm x2
Cap Screw

39008
M3 Nut x2

29

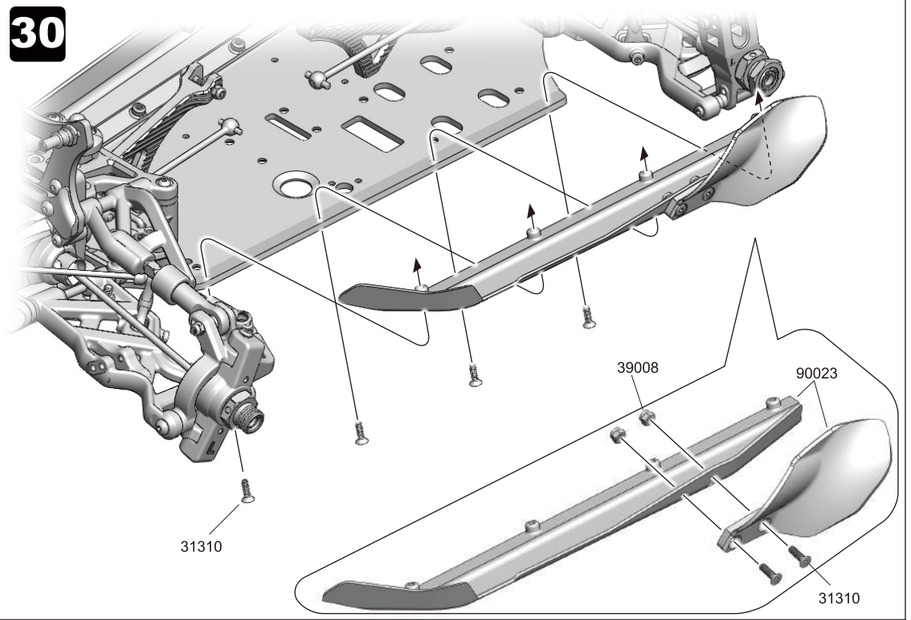


Side Guard Assembly

31310
3x10mm x12
F/H Screw

39008
M3 Nut x4

30



Radio Tray Assembly 1

33305
3x5mm x3
B/H Screw

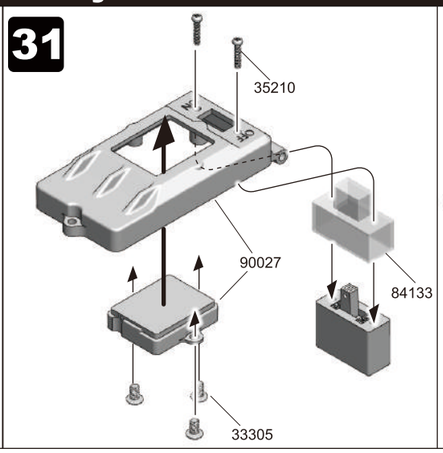
33310
3x10mm x1
B/H Screw

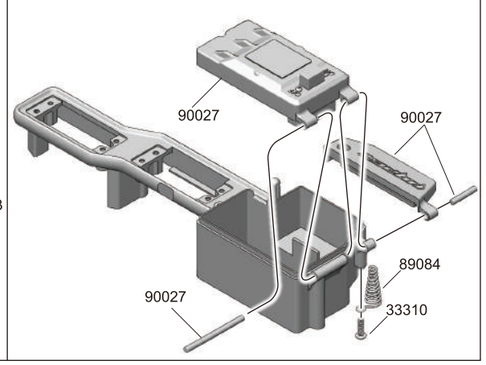
35210
2x10mm x2
B/H Screw

90027
3x18.8mm x1
Shaft

90027
3x27.8mm x1
Shaft

31

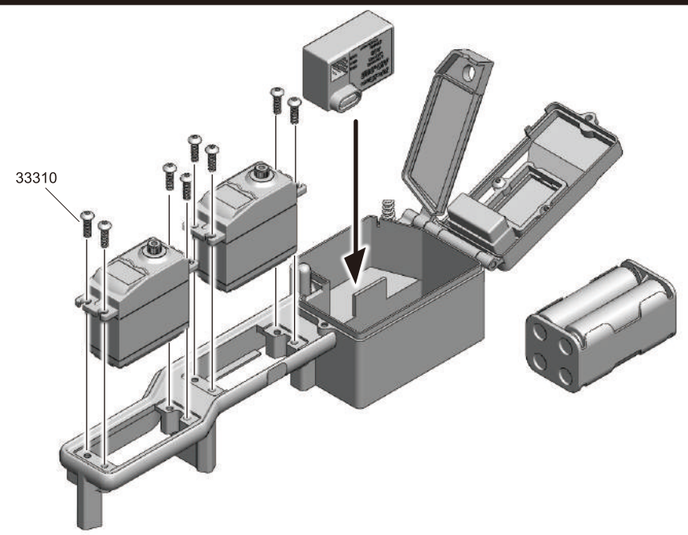




Radio Tray Assembly 2

33310
3x10mm x8
B/H Screw

32



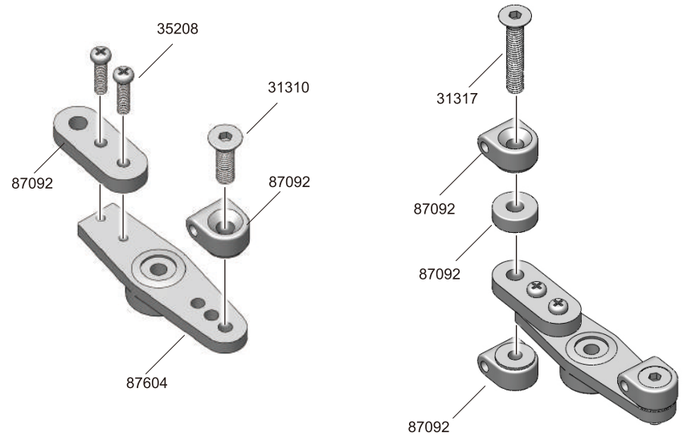
Servo Horn Assembly 1

35208
2x8mm x2
B/H Screw

31310
3x10mm x1
F/H Screw

31317
3x17mm x1
F/H Screw

33

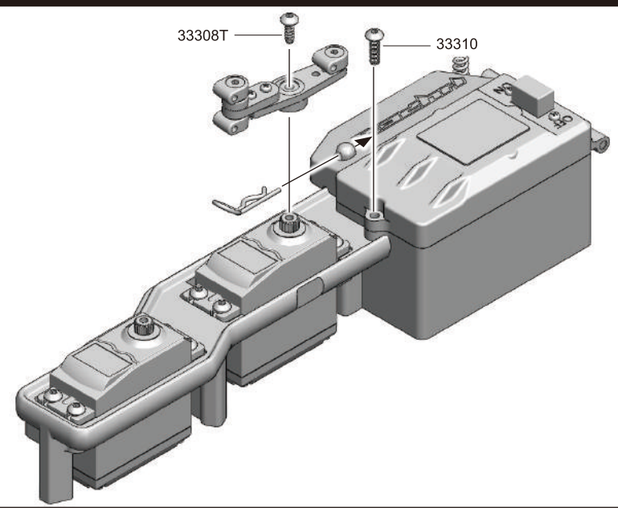


Servo Horn Assembly 2

33308T
3x8mm x1
B/H Tap Screw

33310
3x10mm x1
B/H Screw

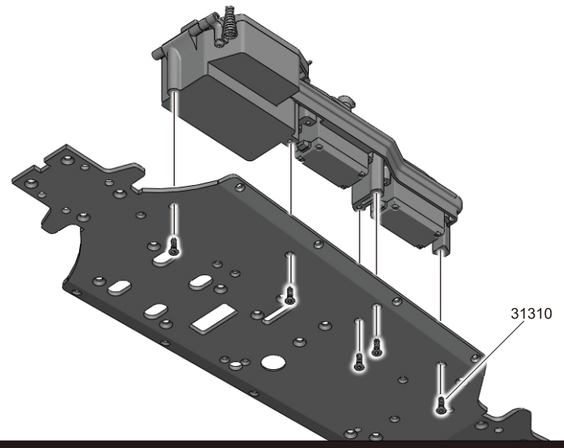
34



Radio Tray Unit Assembly

31310
3x10mm x5
F/H Screw

35



Fuel Tank Assembly

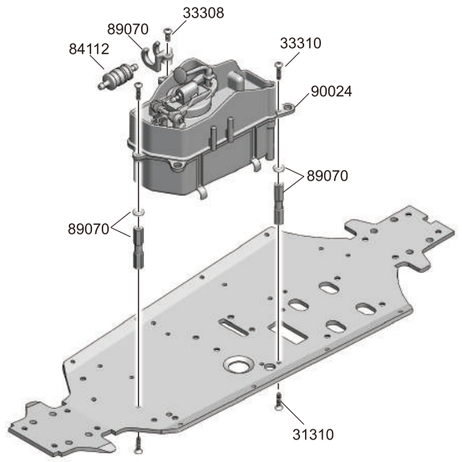
33308
3x8mm x1
B/H Screw

33310
3x10mm x2
B/H Screw

31310
3x10mm x2
F/H Screw

89070
4x8mm x2
O-Ring

36



Engine Mount/Clutch Assembly

39408
4x8mm x4
Engine Screw

32314
3x14mm x4
Cap Screw

32310
3x10mm x1
Cap Screw

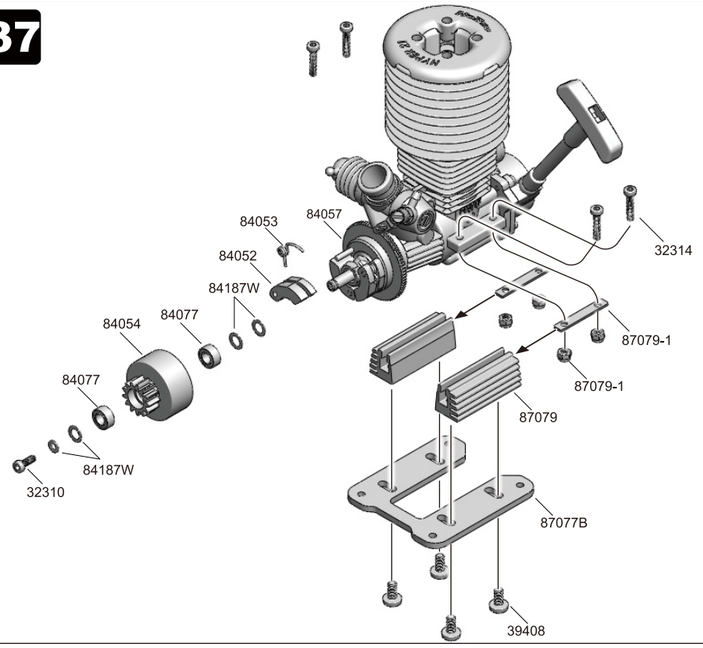
87079-1
M3 Nut x4

84187W
3x6x0.5mm x1
Washer

84187W
5x8x0.25mm x3
Washer

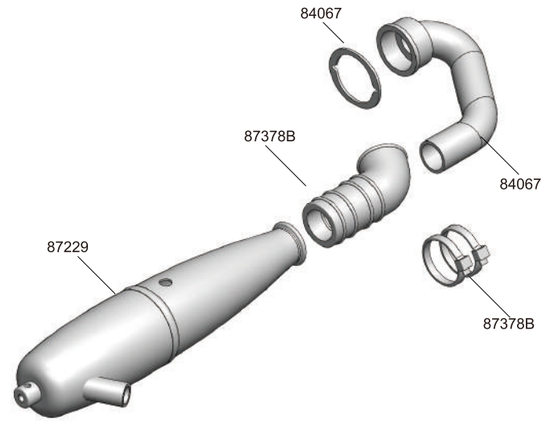
84077
5x10x4mm x2
Ball Bearing

37



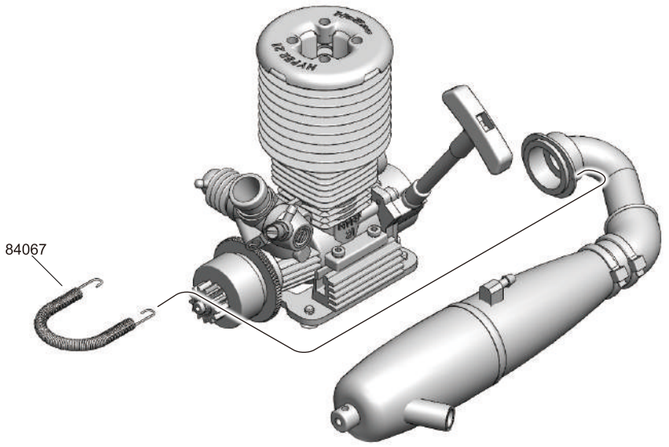
Manifold/Muffler Assembly

38



Muffler Assembly

39

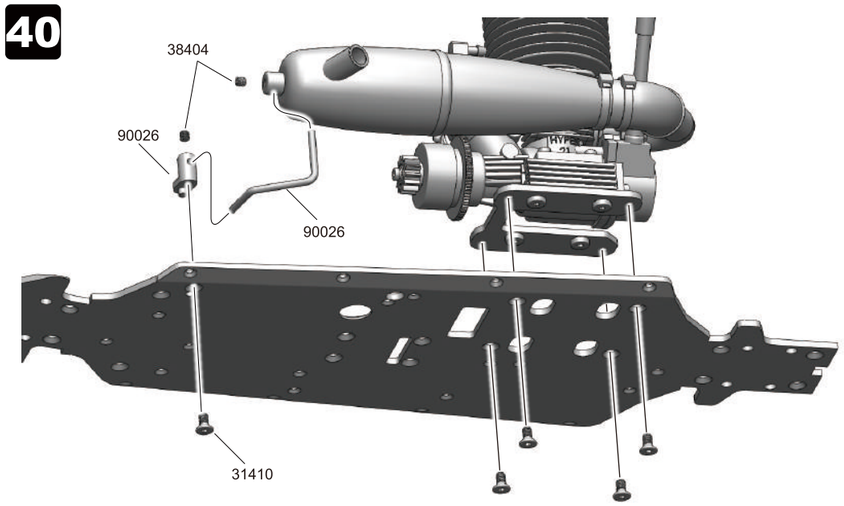


Engine Unit Assembly

38404
4x4mm x2
Set Screw

31410
4x10mm x5
F/H Screw

40

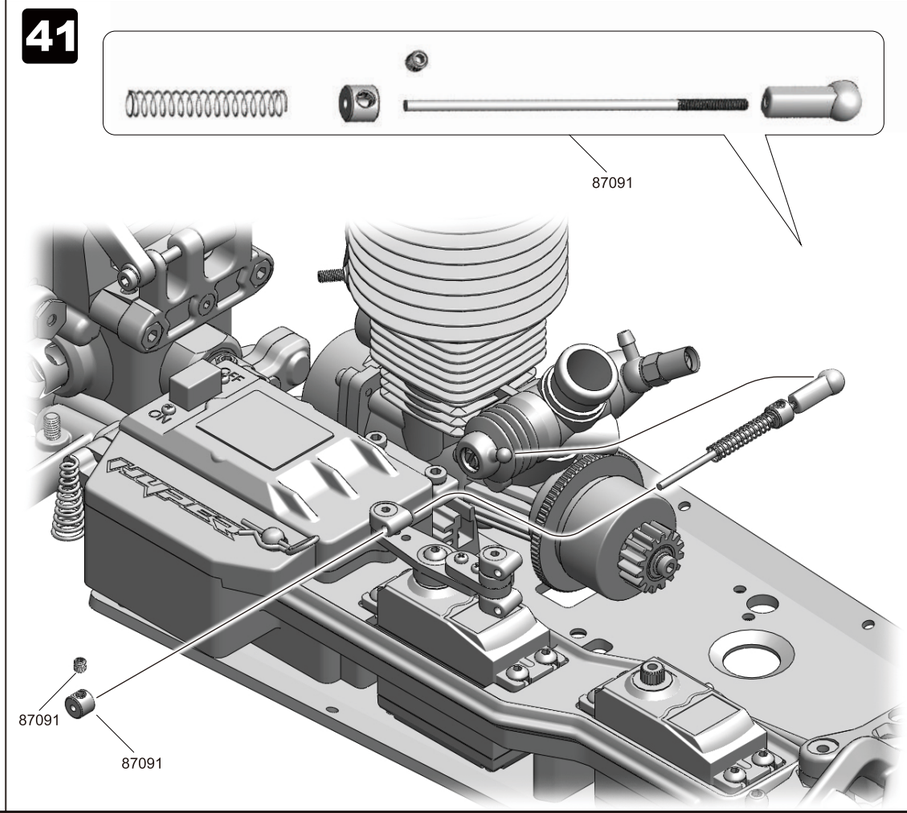


Throttle Link Assembly

87091
3x3mm x2
Set Screw

87091
Collet x2

41



Steering/Brake Link Assembly

87092
3x3mm x4
Set Screw

87092
Pivot Ball x2

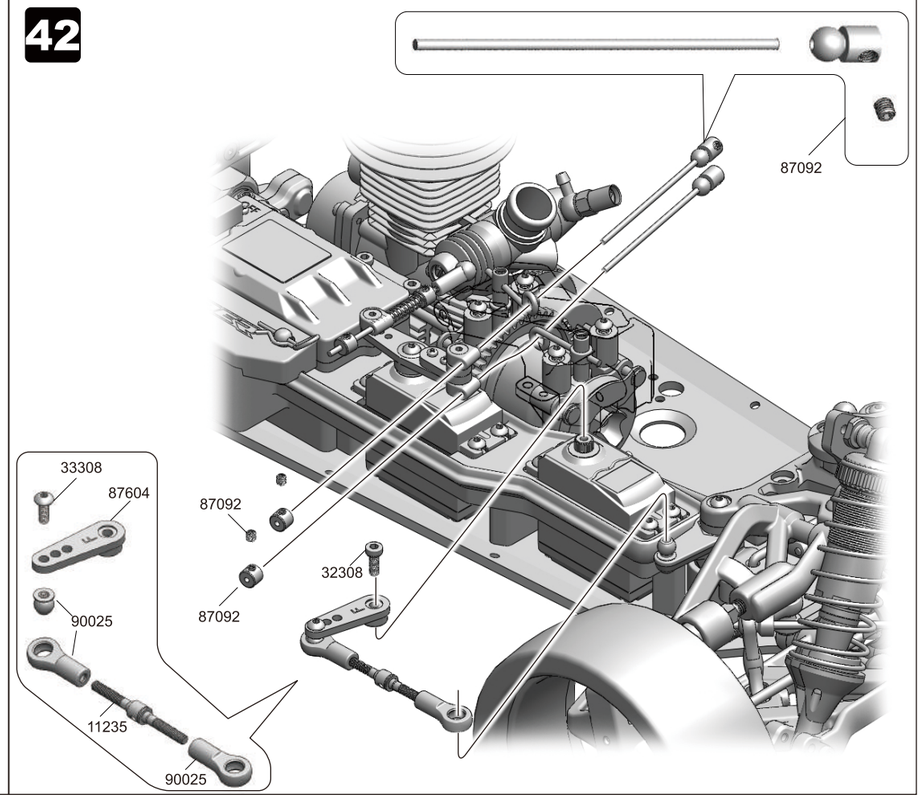
33308
3x8mm x1
B/H Screw

90025
5.8mm x1
Ball Flanged

87092 x2
Collet

32308
3x8mm x1
Cap Screw

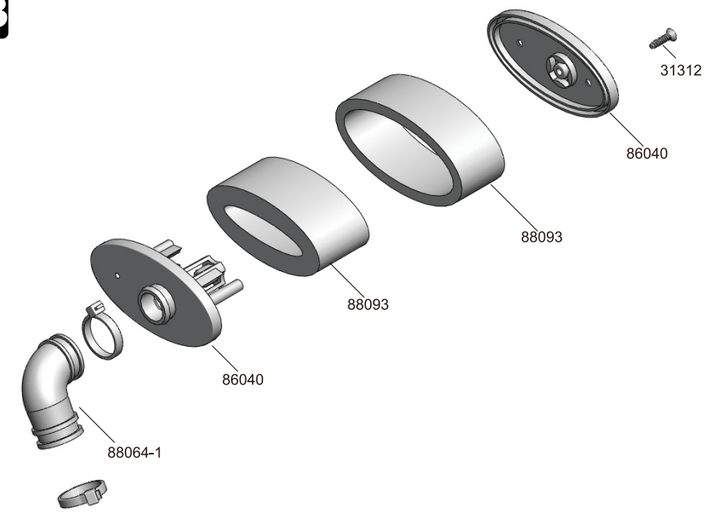
42



Air Filter Assembly 1

31312
3x12mm x1
F/H Screw

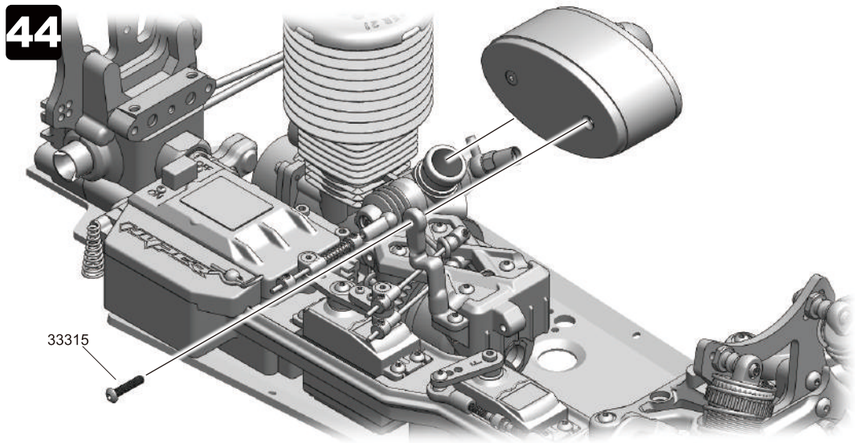
43



Air Filter Assembly 2

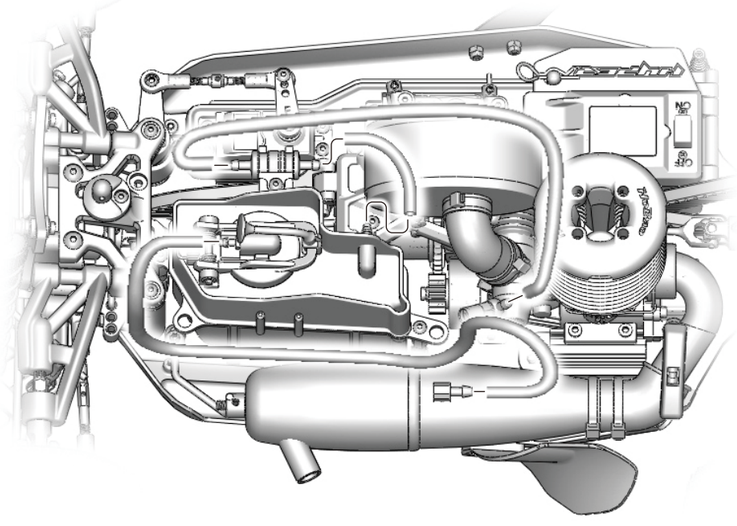
33315
3x15mm x1
B/H Screw

44



Fuel Line Assembly 1

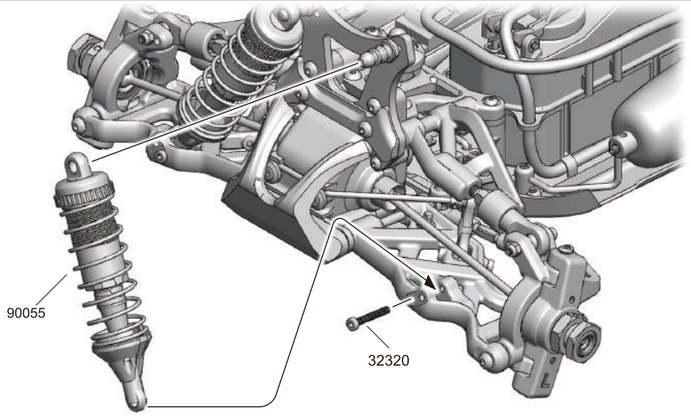
45

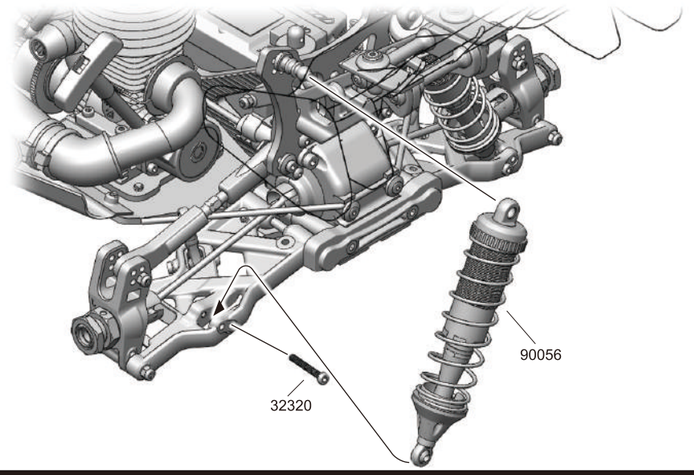


Front/Rear Shock Assembly

32320
3x20mm x4
Cap Screw

46

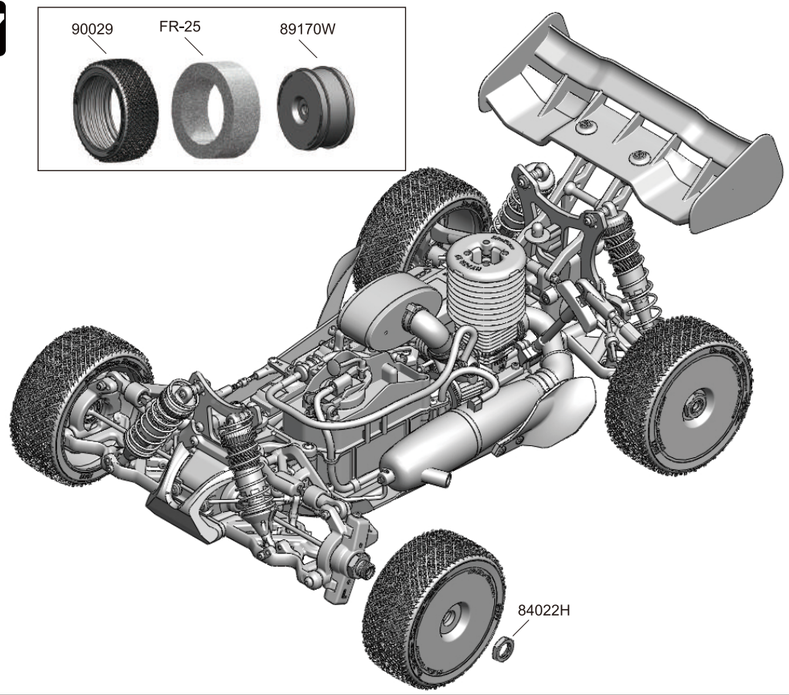




Tire Assembly

84022H
Wheel Hex Nut x4

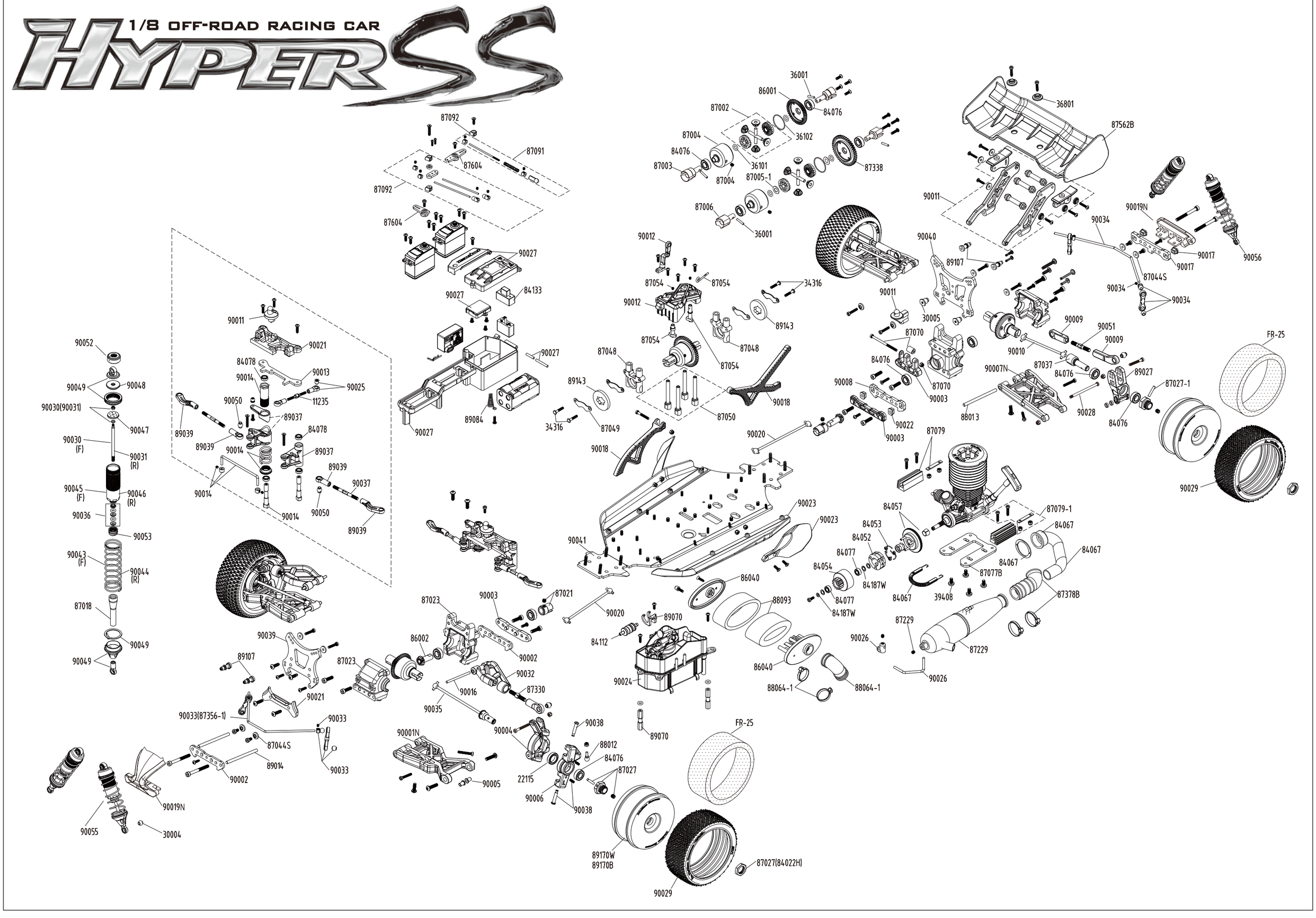
47



HYPERSS PARTS LIST
1/8TH SCALE RACING BUGGY

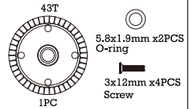
STANDARD PARTS					
86001	CROWN GEAR 43T	89084	ANTENNA PIPE AND POST	90029	"L" PATTERN TIRE-NBR (NO FOAM INSERT)
86002	DIFFERENTIAL PINION GEAR 11T	89107	SHOCK BALL STUD 6.8MM	90030	FRONT SHOCK SHAFT
86040	AIR FILTER BASE AND CAP	89143	FIBER BRAKE DISK	90031	REAR SHOCK SHAFT
87002	BEVEL GEAR SET	89170W/B/Y	REVO WHEEL - WHITE/BLACK/YELLOW	90032	FRONT UPPER ARM SET
87003	DIFFERENTIAL OUTDRIVE CUP	84022H	WHEEL HEX NUT	90033	FRONT STABILIZER SET
87004	DIFFERENTIAL CASE	84052	CLUTCH SHOE	90034	REAR STABILIER SET
87005-1	SPACER 6.2x13.9x0.3MM	84053	CLUTCH SPRING	90035	CVD SHAFT
87006	CENTER DIFFERENTIAL OUTDRIVE CUP	84054	CLUTCH BELL 15T	90036	SHOCK ABSORBER REPAIR SET
87018	SHOCK BOOTS	84057	FLYWHEEL	90037	TURNBUCKLE 4x40MM
87021	OUTDRIVE CUP	84067	MANIFOLD SET	90038	HINGE PIN
87023	GEAR BOX	84076	BEARING 8x16x5MM	90039	FRONT SHOCK TOWER
87027	WHEEL HUB SET	84077	BEARING 5x10x4MM	90040	REAR SHOCK TOWER
87027-1	PIN 2.5x16.8MM	84078	BEARING 6x10x3MM	90041	CHASSIS
87037	AXLE CUP	84112	FUEL FILTER	90042B/W	PRINTED BODY-BLACK OR WHITE
87044S	ALUM COLLAR	84133	SWITCH COVER - BLUE	90043	FRONT SHOCK SPRING
87048	CENTER DIFFERENTIAL MOUNT	84187W	CLUTCH BELL WASHER	90044	REAR SHOCK SPRING
87049	BRAKE PAD	90001	FRONT LOWER ARM SET	90045	FRONT SHOCK BODY
87050	CENTER DIFFERENTIAL MOUNT POST	90002	FRONT LOWER ALUM ARM HOLDER - A PLATE	90046	REAR SHOCK BODY
87054	BRAKE CAM SET	90003	FRONT/REAR LOWER NYLON ARM HOLDER - C PLATE	90047	SHOCK PISTON
87060	SERVO SAVER BEARING 6x10x4MM	90004	L/R C-HUB SET	90048	SHOCK BLADDER
87070	REAR CHASSIS STIFFENER SCREW SET	90005	C-HUB BUSHING	90049	SHOCK NYLON SET
87077B	ENGINE MOUNT PLATE	90006	STEERING KNUCKLE SET	90050	BALL FLANGED 6.8MM
87078	FUEL TUBE	90007	REAR LOWER ARM SET	90051	TURNBUCKLE 5x38MM
87079	ENGINE MOUNT	90008	REAR LOWER ALUM ARM HOLDER - A PLATE	90052	SHOCK CAP TOP
87079-1	ENGINE MOUNT SPACER & SCREW SET	90009	REAR SUSPENSION ARM BALL END 7.8MM	90053	SHOCK CAP BOTTOM
87091	THROTTLE LINKAGE SET	90010	AXLE	90054	FRONT/REAR SHOCK ABSORBER SET
87092	BRAKE LINKAGE SET	90011	WING MOUNT SET	90055	FRONT SHOCK ABSORBER SET
87229	MUFFLER	90012	CENTER DIFFERENTIAL TOP PLATE/AIR FILTER HOLDER	90056	REAR SHOCK ABSORBER SET
87330	TURNBUCKLE M5x31	90013	FRONT ALUM TOP PLATE	30002	BALL LONG 7.8MM
87338	CENTER SPUR GEAR 48T	90014	SERVO SAVER SET	30003	STEERING BALL 6.8MM
87356-1	FRONT ANTI-ROLL BAR 2.5MM	90016	PIN 3x48MM	30004	BALL 6.8MM
87378B	MUFFLER SILICON TUBE	90017	REAR LOWER ALUM ARM HOLDER - B PLATE	30005	BALL FLANGED 7.8MM
87562/B	REAR WING - WHITE/BLACK	90018	FRONT/REAR CHASSIS STIFFENER SET	34316	BRAKE SCREW M3x16.5MM
87604	SERVO HORN	90019	FRONT/REAR BUMPER SET	36001	PIN 2.5x13.8MM
88013	REAR ARM SHAFT 4x74MM	90020	FRONT/REAR CENTER DRIVE SHAFT SET	36101	O-RING 5.8x1.9MM
88064-1	INTAKE TUBE	90021	FRONT TOP PLATE HOLDER	36102	O-RING 22x0.9MM
88093	AIR FILTER FOAM	90022	ADJUSTABLE INSERT SET	36801	ALUM COLLAR
89014	FRONT ARM SHAFT 4x65.7MM	90023	SIDE GUARD/MUD DEFLECTOR	39008	NYLON NUT M3
89027	REAR HUB SET	90024	FUEL TANK 150cc	39408	ENGINE MOUNT SCREW
89037	SERVO SAVER ARM SET	90025	BALL END/BALL FLANGED 5.8MM	224044	FLYWHEEL NUT
89039	NYLON STEERING BALL END 6.8MM	90026	MUFFLER MOUNT SET	11235	TURNBUCKLE 3x36.5MM
89070	FUEL TANK POST & MOUNT	90027	RADIO TRAY SET	22115	BEARING 12x18x4MM
		90028	SCREW M3x50MM		

1/8 OFF-ROAD RACING CAR HYPER SS



1/8 OFF-ROAD RACING CAR

HYPER SS

86001


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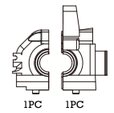
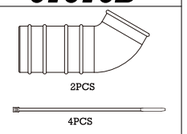


87077B

87378B


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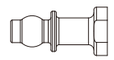

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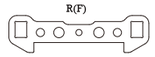

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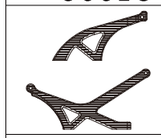

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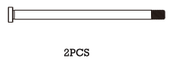

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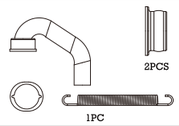
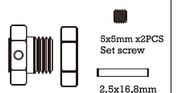


30005

86002

87027


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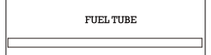

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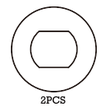

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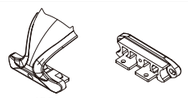

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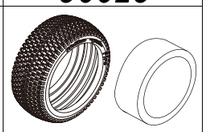

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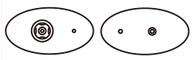

87027-1

87079

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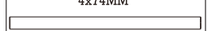

89170B/W

90010

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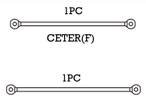

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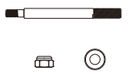

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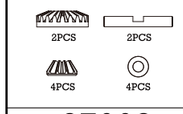

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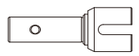

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88064-1

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90054

84078

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87003

87044S

87091

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90012

90022

90032

90042B/W

90055

90056

84112

36801

87004

87048

87092

89027

90003

90013

90023

90033

90043

90044

84022H

84133

39008

87005-1

87049

87229

89037

90004

90014

90024

90034

90045

90046

84052

84187W

39408

87006

87050

87330

89039

90005

89014

90025

90035

90047

90048

84053

30002

22115

87018

87054

87338

89070

90006

90016

90026

90036

90049

84054

30003

224044

87021

87070

87356-1

89084

90007N

90017

90027

90037

90050

84057

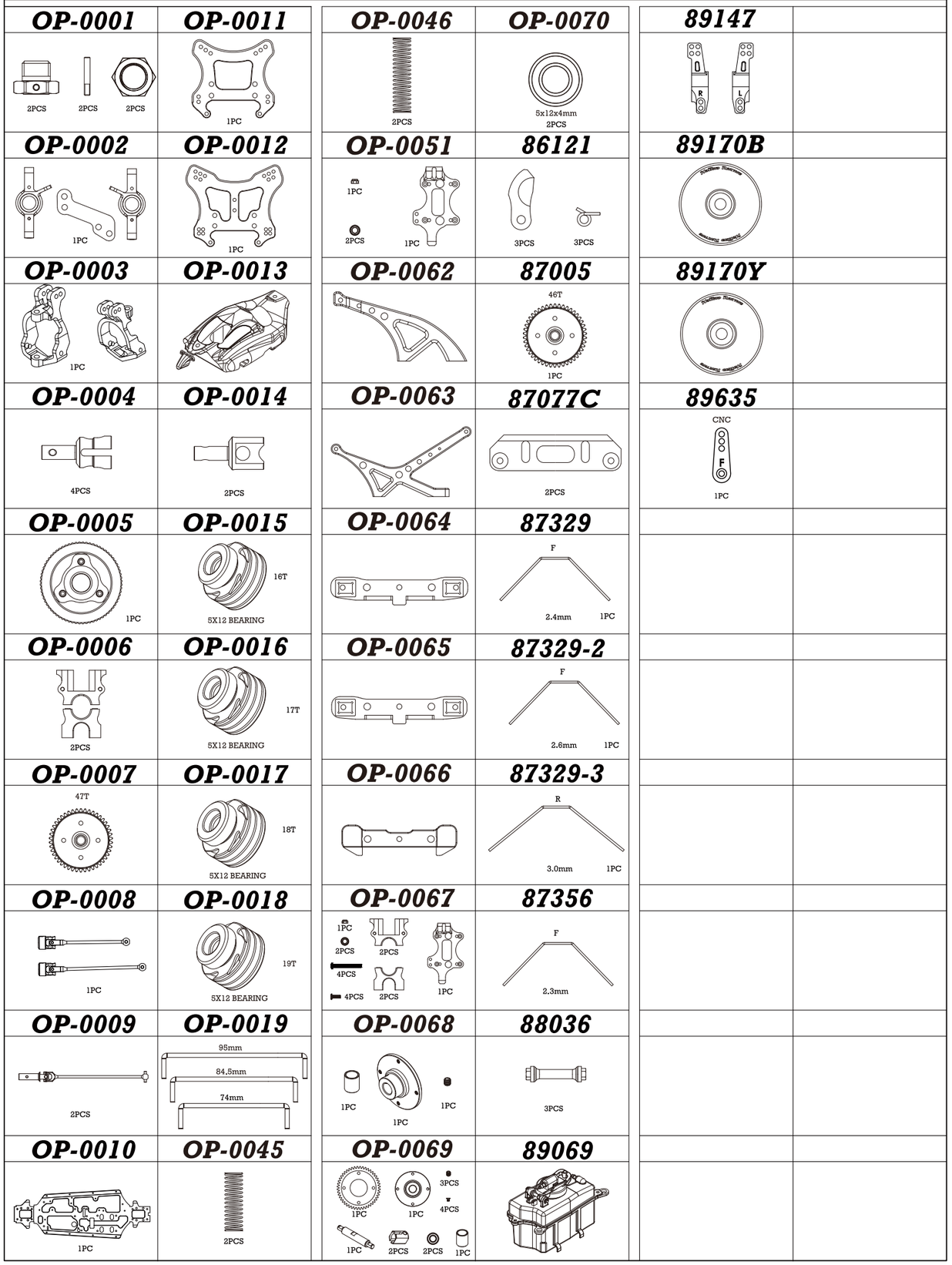
30004

11235

PARTS LIST
1/8TH SCALE RACING BUGGY

SCREWS

31310	M3 X 10 FLAT HEAD SCREW
31312	M3 X 12 FLAT HEAD SCREW
31315	M3 X 15 FLAT HEAD SCREW
31317	M3 X 17 FLAT HEAD SCREW
31318	M3 X 18 FLAT HEAD SCREW
31320	M3 X 20 FLAT HEAD SCREW
31410	M4 X 10 FLAT HEAD SCREW
31414	M4 X 14 FLAT HEAD SCREW
32306	M3 X 6 CAP HEAD SCREW
32308	M3 X 8 CAP HEAD SCREW
32310	M3 X 10 CAP HEAD SCREW
32314	M3 X 14 CAP HEAD SCREW
32316	M3 X 16 CAP HEAD SCREW
32320	M3 X 20 CAP HEAD SCREW
32322	M3 X 22 CAP HEAD SCREW
32325	M3 X 25 CAP HEAD SCREW
32350	M3 X 50 CAP HEAD SCREW
32415	M4 X 15 CAP HEAD SCREW
32440	M4 X 40 CAP HEAD SCREW
33305	M3 X 5 BUTTON HEAD SCREW
33308	M3 X 8 BUTTON HEAD SCREW
33308T	M3 X 8 BUTTON HEAD TAP SCREW
33310	M3 X 10 BUTTON HEAD SCREW
33312	M3 X 12 BUTTON HEAD SCREW
33315	M3 X 15 BUTTON HEAD SCREW
33414	M4 X 14 BUTTON HEAD SCREW
34316	M3 X 16 HEX SCREW
35208	M2 X 8 PAN HEAD SCREW
35210	M2 X 10 PAN HEAD SCREW
35412	M4 X 12 BUTTON HEAD SCREW
35418	M4 X 18 BUTTON HEAD SCREW
35422	M4 X 22 BUTTON HEAD SCREW
38303	M3 X 3 SET SCREW
38308	M3 X 8 SET SCREW
38404	M4 X 4 SET SCREW
38504	M5 X 4 SET SCREW
38505	M5 X 5 SET SCREW
39008	M3 NYLON NUT

OPTIONAL PARTS

OP-0001	WHEEL HEX
OP-0002	CNC STEERING KNUCKLE SET
OP-0003	CNC L/R C-HUB SET
OP-0004	LIGHT WEIGHT DIFFERENTIAL OUTDRIVE CUP
OP-0005	LIGHT WEIGHT FLYWHEEL
OP-0006	CNC CENTER DIFFERENTIAL MOUNT
OP-0007	CENTER SPUR GEAR 47T
OP-0008	CENTER UNIVERSAL DRIVE SHAFT SET
OP-0009	REAR UNIVERSAL DRIVE SHAFT
OP-0010	LIGHT WEIGHT CNC CHASSIS 4MM
OP-0011	LIGH WEIGHT CNC FRONT SHOCK TOWER
OP-0012	LIGH WEIGHT CNC REAR SHOCK TOWER
OP-0013	HYPER SS CLEAR BODY
OP-0014	LIGHT WEIGHT CENTER DIFFERENTIAL OUTDRIVE CUP
OP-0015	CNC CLUTCH BELL 16T(5X12 BEARING)
OP-0016	CNC CLUTCH BELL 17T(5X12 BEARING)
OP-0017	CNC CLUTCH BELL 18T(5X12 BEARING)
OP-0018	CNC CLUTCH BELL 19T(5X12 BEARING)
OP-0019	ACKERMAN ROD SET
OP-0045	FRONT SHOCK SPRING-ORANGE
OP-0046	REAR SHOCK SPRING-ORANGE
OP-0051	CNC CENTER DIFF. TOP PLATE FOR NITRO BUGGY
OP-0062	FRONT CHASSIS STIFFENER SET FOR NITRO BUGGY
OP-0063	REAR CHASSIS STIFFENER SET FOR NITRO BUGGY
OP-0064	CNC REAR LOWER ALUM ARM HOLDER 2°-3°-4° - B PLATE
OP-0065	CNC REAR LOWER ALUM ARM HOLDER 2.5°-3.5°-4.5° - B PLATE
OP-0066	CNC REAR LOWER ALUM ARM HOLDER - A PLATE
OP-0067	CNC CENTER DIFF. MOUNT SET FOR NITRO BUGGY
OP-0068	GEAR HOLDER FOR CENTER SOLID AXLE
OP-0069	CENTER SOLID AXLE SET FOR HYPER 7/SS
OP-0070	BEARING 5x12MM
86121	CNC CLUTCH SHOES
87005	CENTER SPUR GEAR 46T
87077C	CNC LIGHY WEIGHT ENGINE MOUNT PLATE
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
88036	CNC WING MOUNT POST
89069	FUEL TANK 125cc
89147	CNC REAR WHEEL HUB
89170Y	REVO WHEEL - YELLLOW
89635	CNC FUTABA SERVO HORN