

HoBao
IMPER
1/10 ELECTRIC TOURING CAR
#4 INSTRUCTION
MANUAL

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hobao@hobao.com.tw

MADE IN TAIWAN

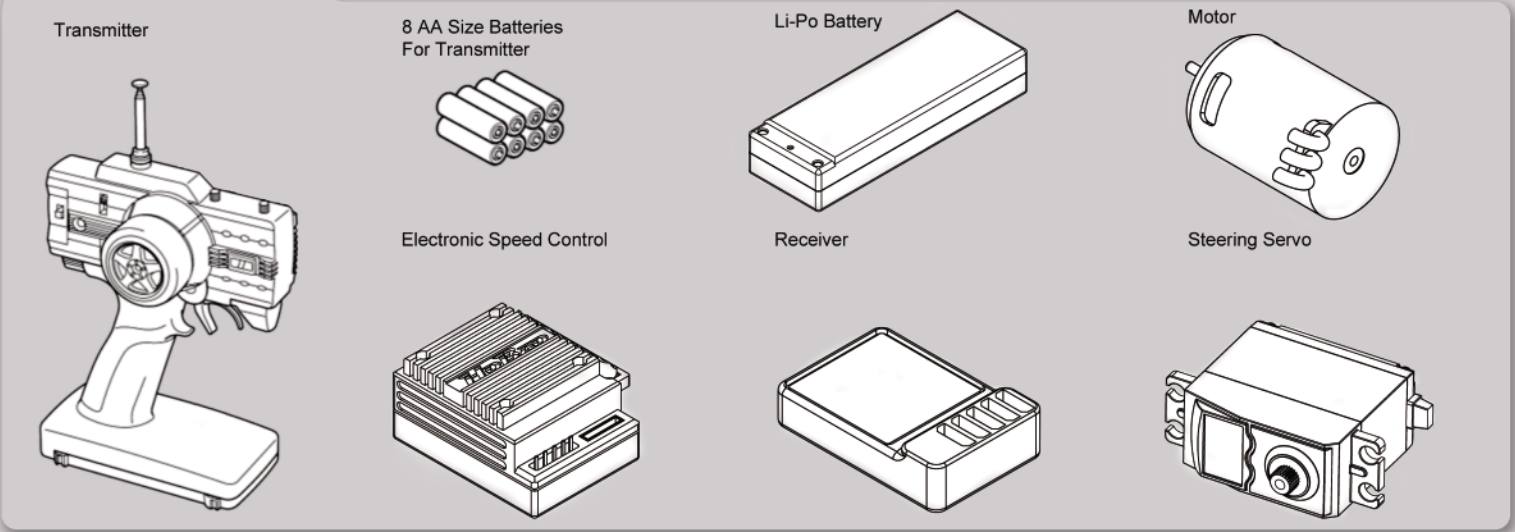
HoBao
IMPER
1/10 ELECTRIC TOURING CAR
#4 INSTRUCTION
MANUAL

HYPER 74

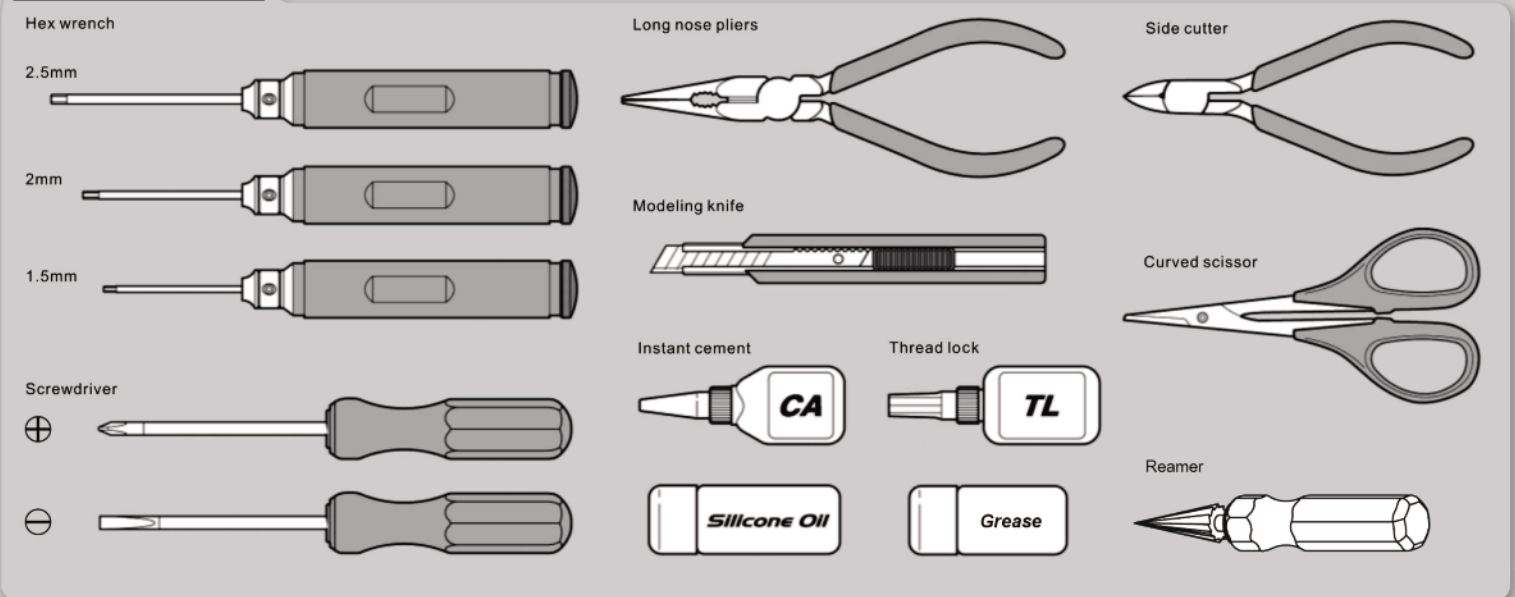
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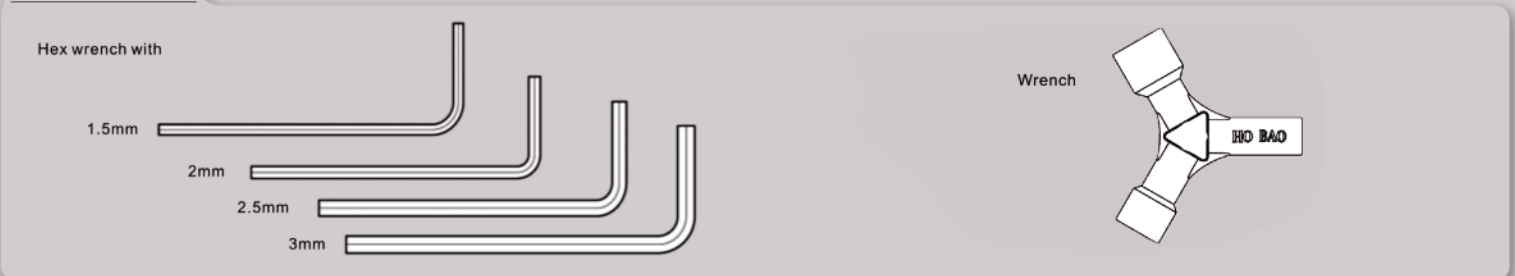
Radio control equipment set



Tools recommended

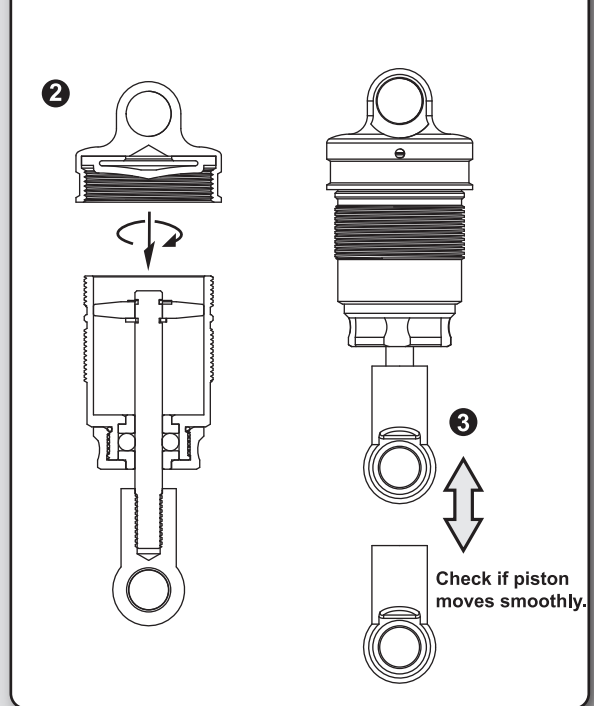
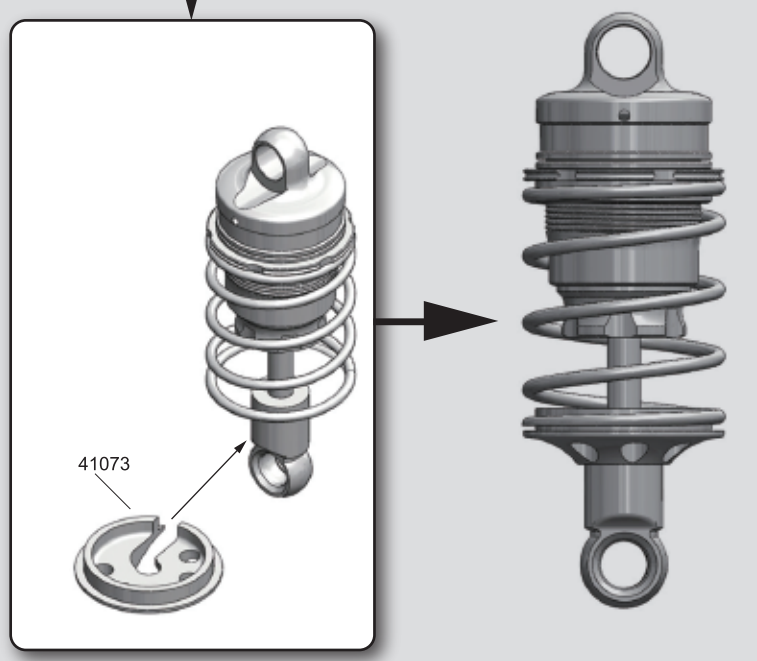
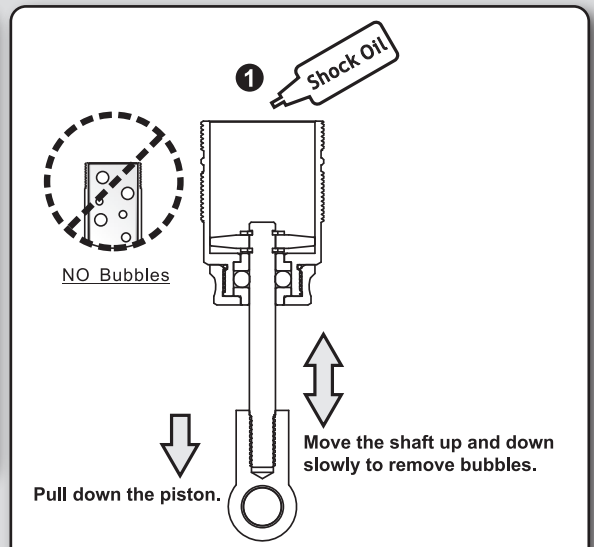
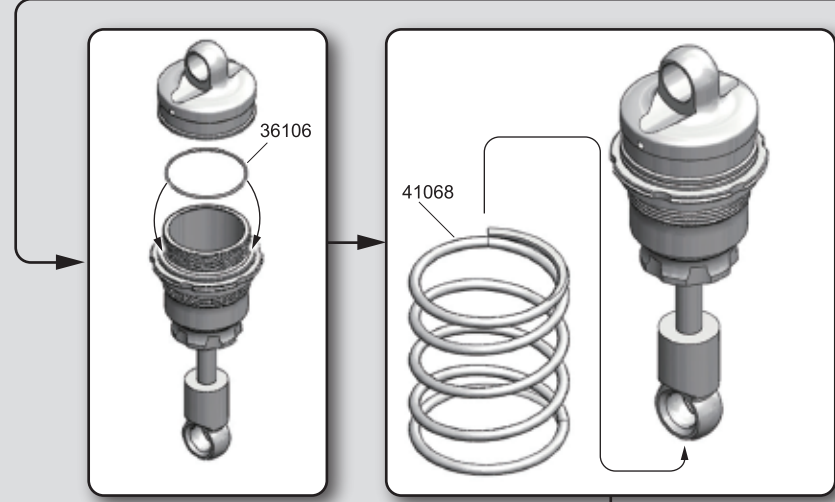
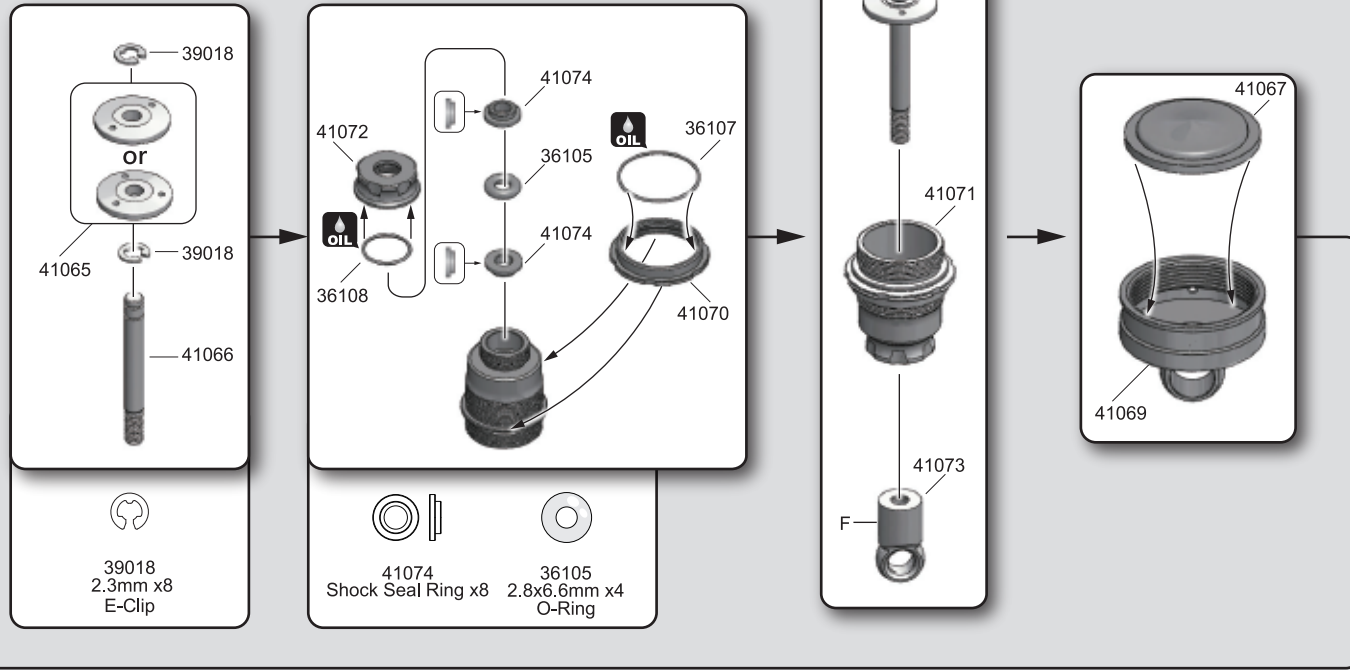


Included items



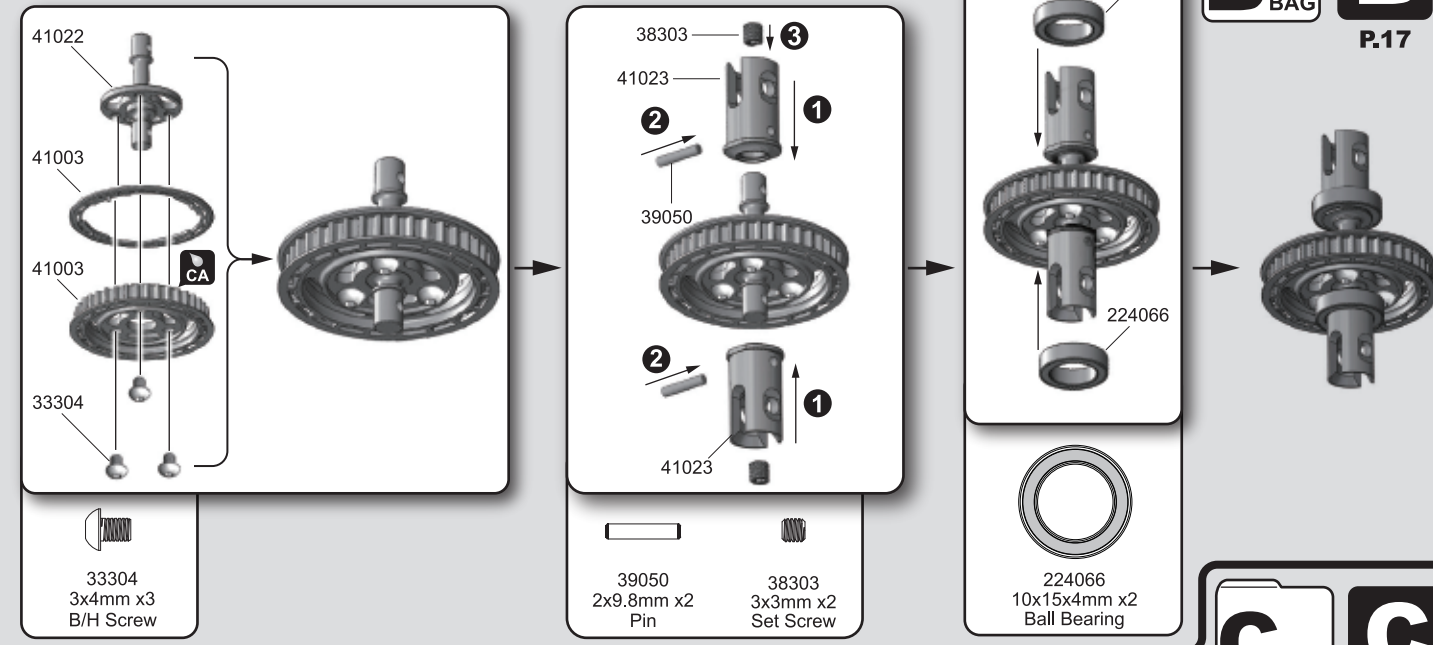
1.Shock Assembly

A_{BAG} **A**
P.16



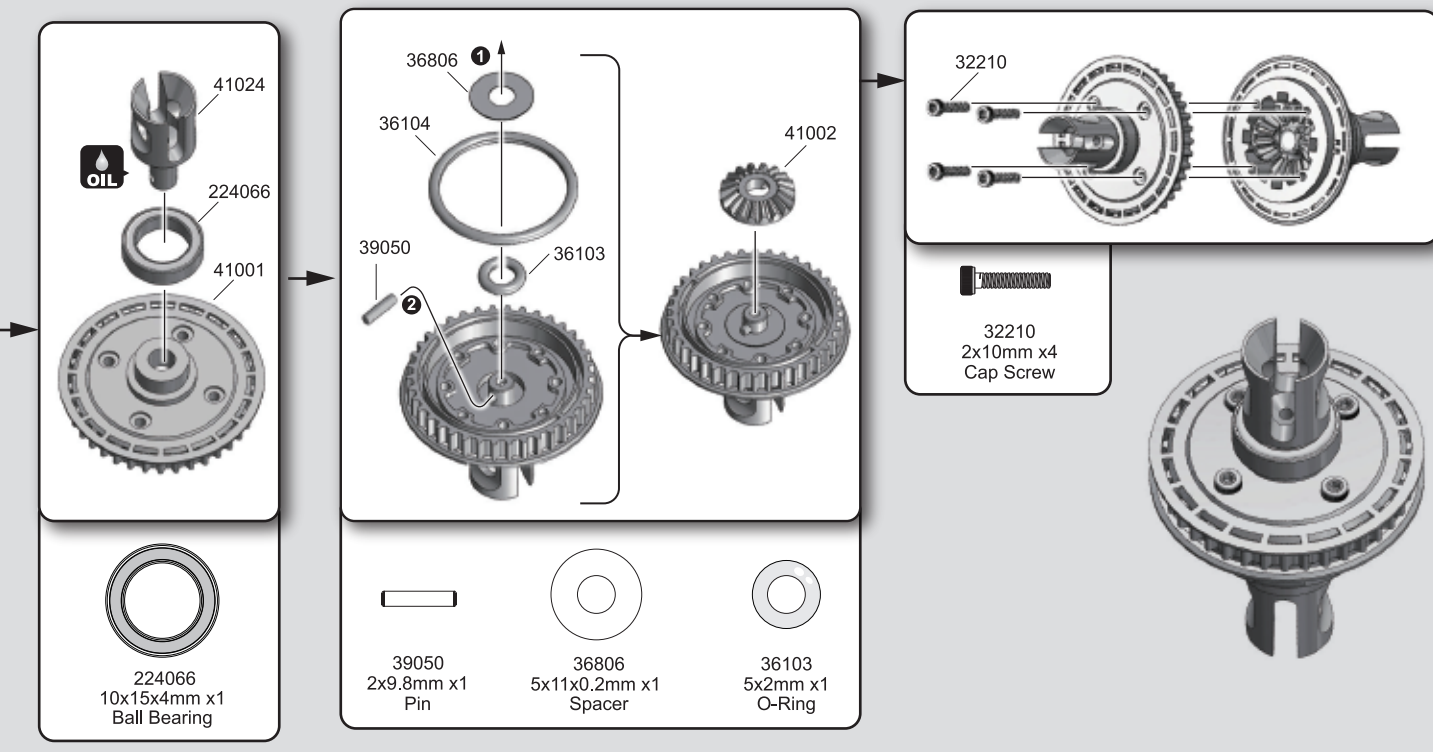
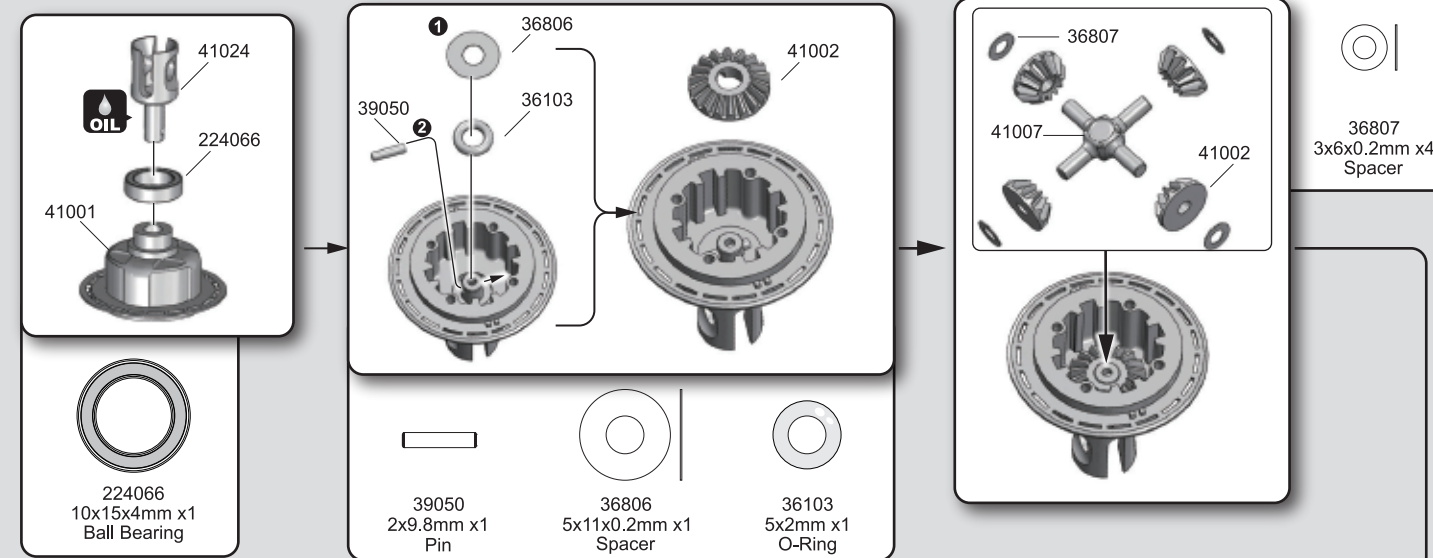
2.Front Differential Assembly

B_{BAG} **B**
P.17

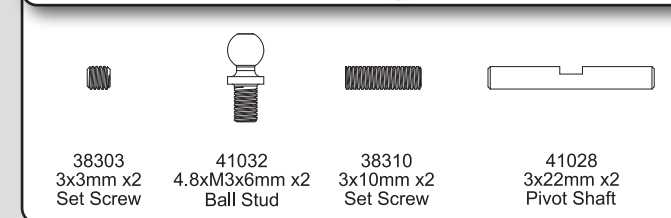
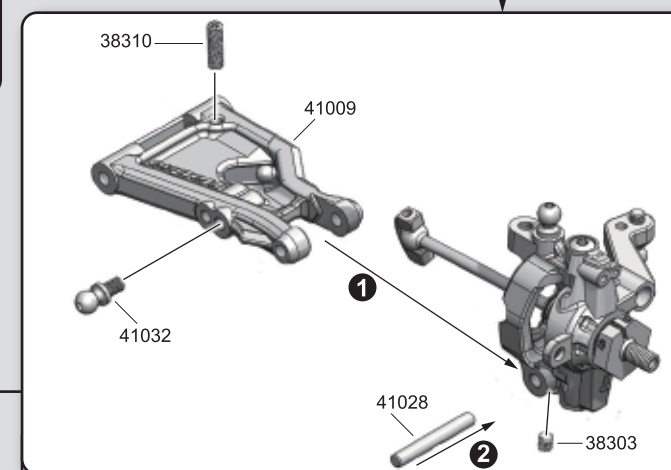
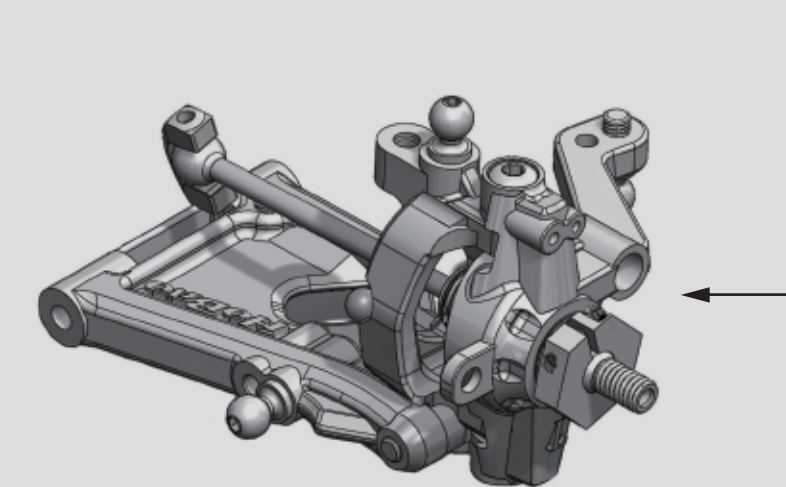
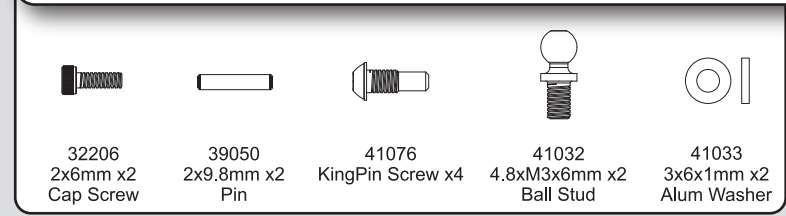
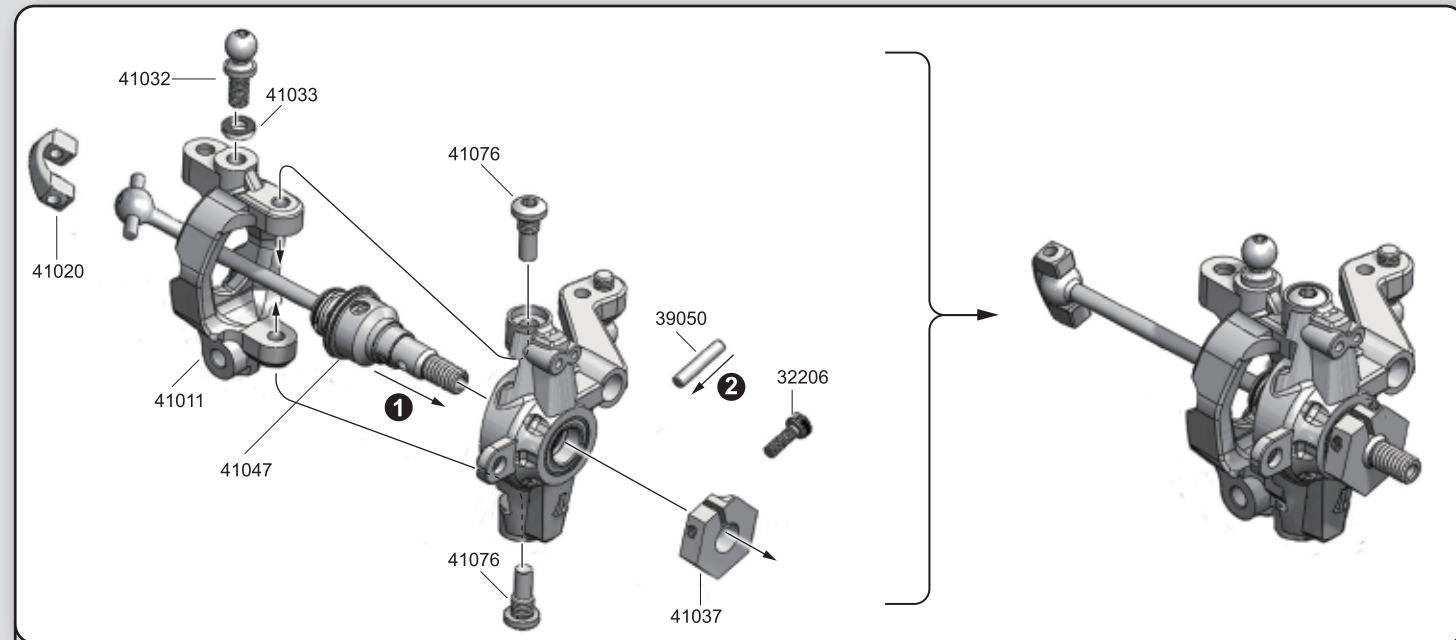
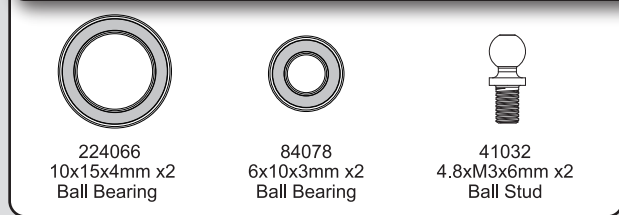
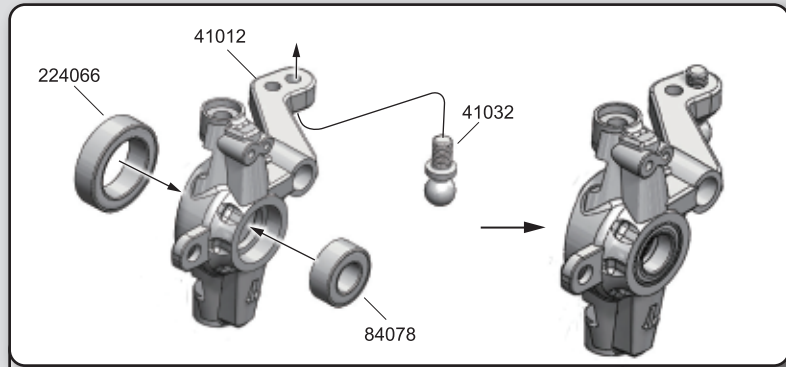


3.Rear Differential Assembly

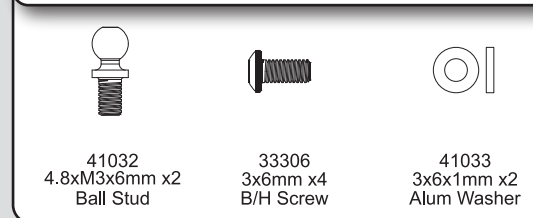
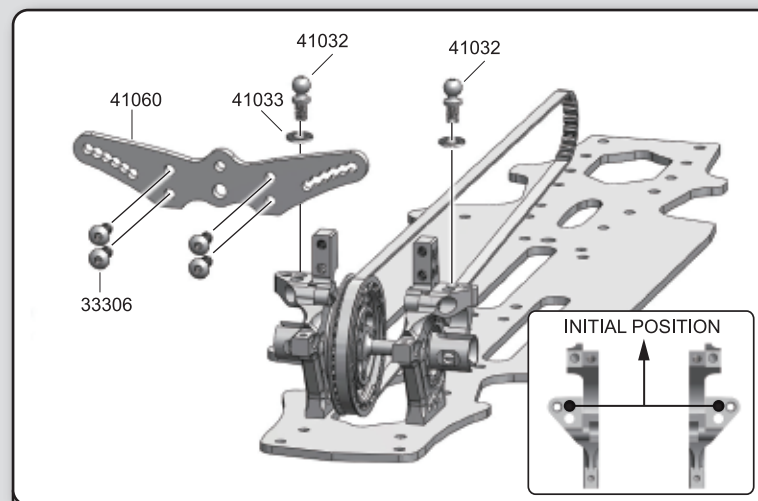
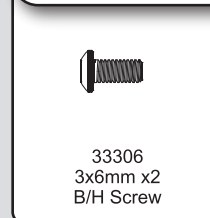
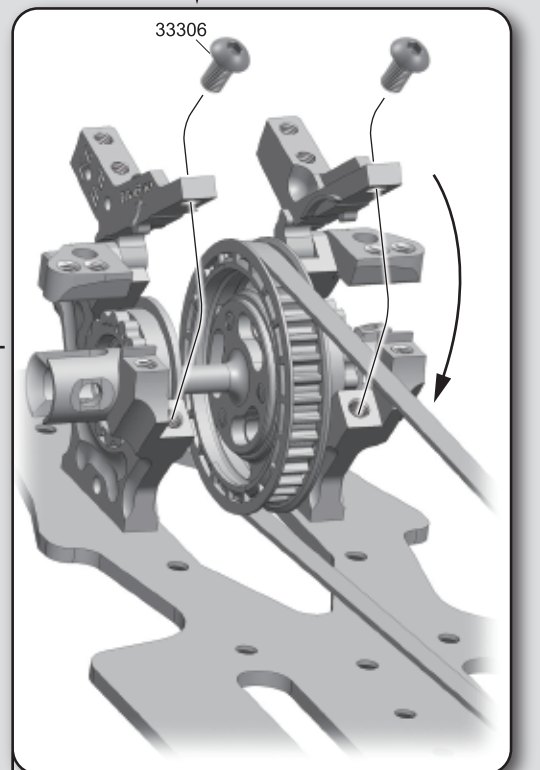
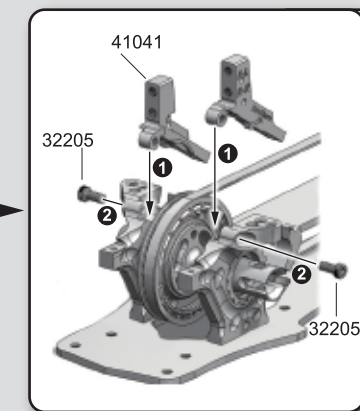
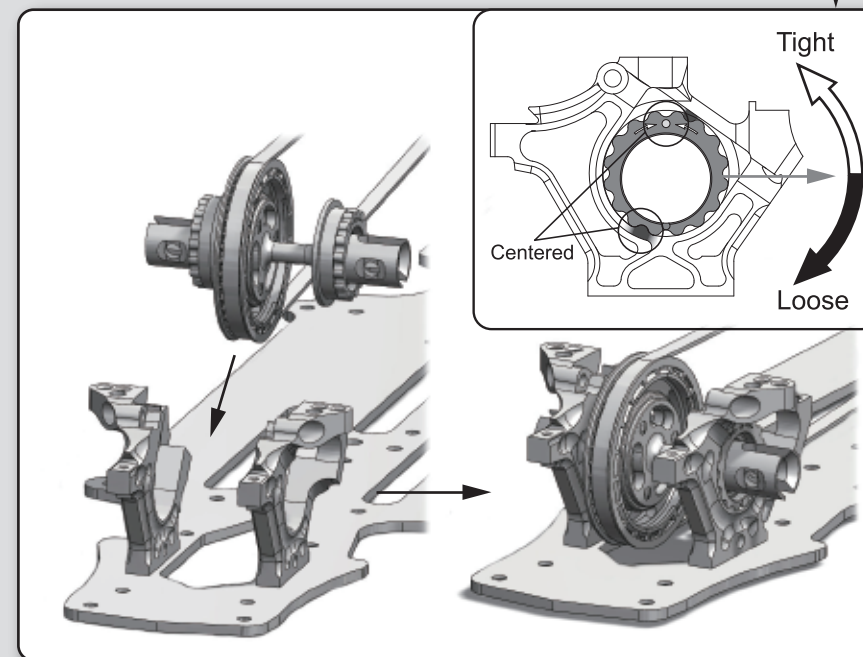
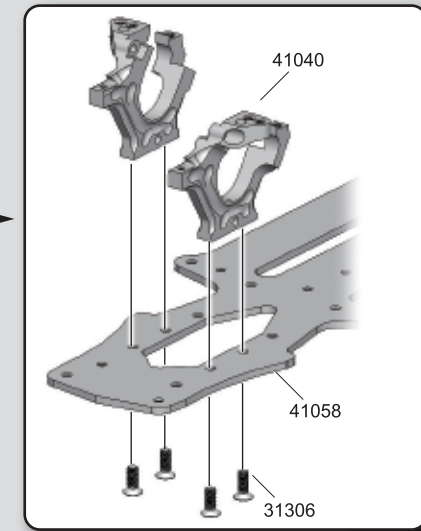
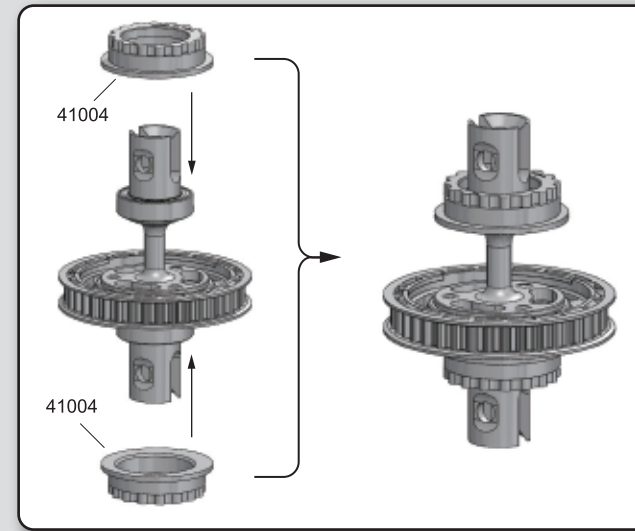
C_{BAG} **C**
P.19



4. Steering Knuckle Assembly

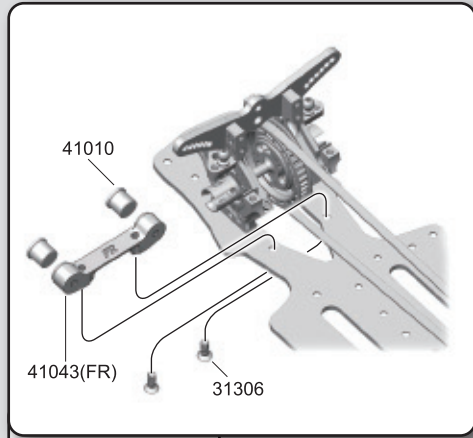


5. Front Differential Mount Assembly



6. Front Suspension & Chassis Assembly

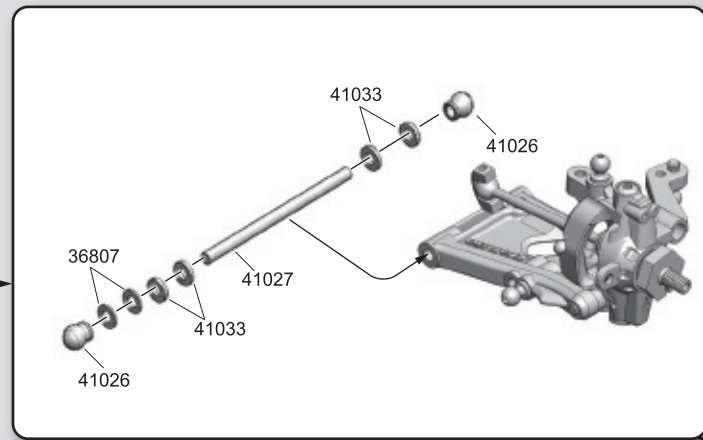
D BAG **B** P.17~18



41043(FR) 31306



31306
3x6mm x2
F/H Screw



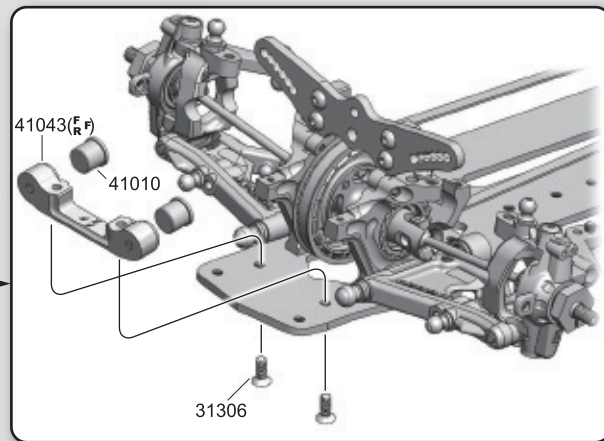
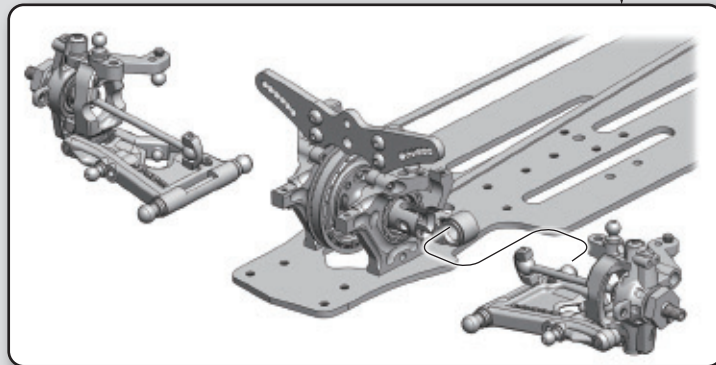
41033 41026
36807 41027 41033



41033
3x6x1mm x8
Alum Washer



36807
3x6x0.2mm x4
Washer

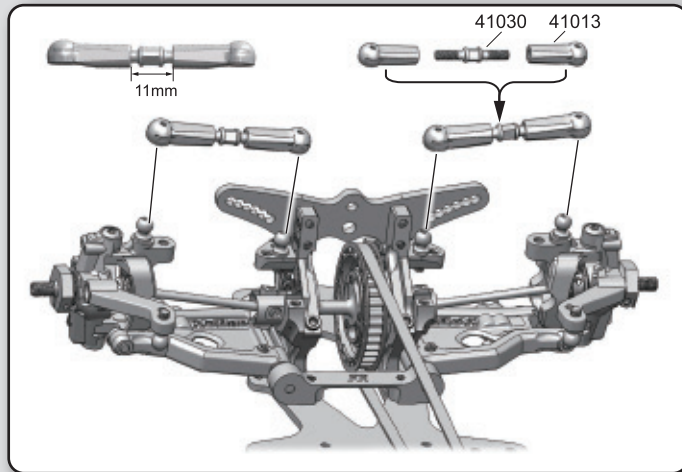


41043(FR) 41010

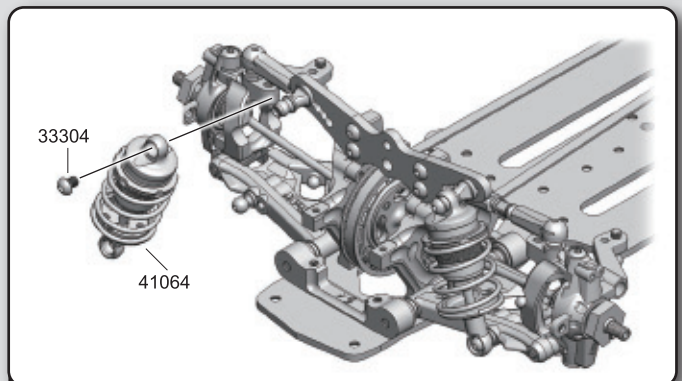
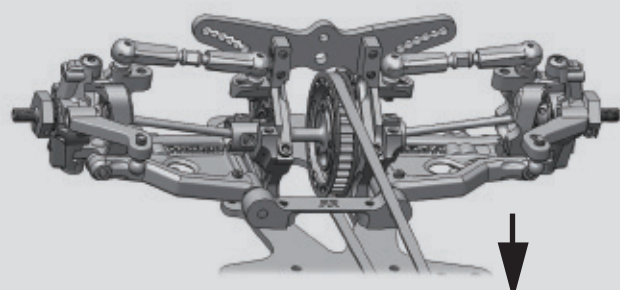
31306



31306
3x6mm x2
F/H Screw



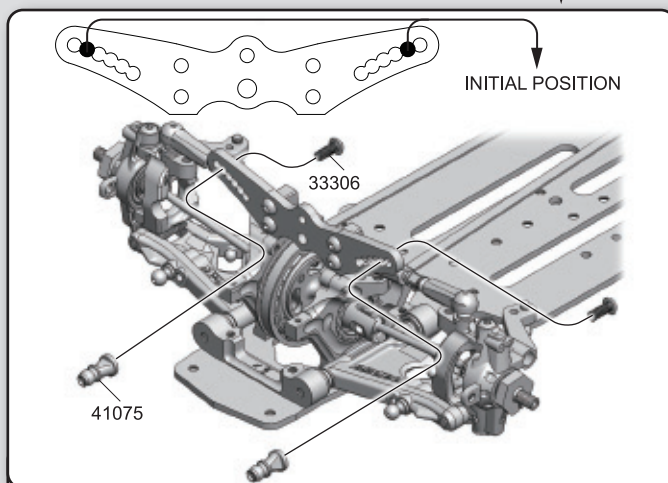
41030 41013
11mm



33304 41064



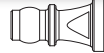
33304
3x4mm x2
B/H Screw



33306 41075



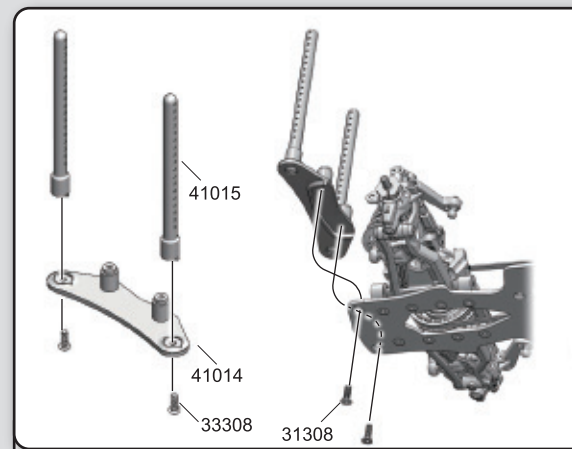
33306
3x6mm x2
B/H Screw



41075
Alum Shock Ball Stud x2

7. Front Suspension & Chassis Assembly

E BAG **B** P.18



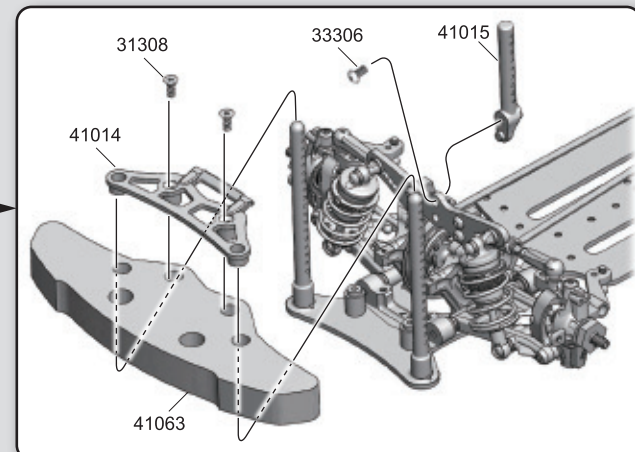
41015 41014 33308 31308



33308
3x8mm x2
B/H Screw



31308
3x8mm x2
F/H Screw



31308 33306 41015 41014 41063

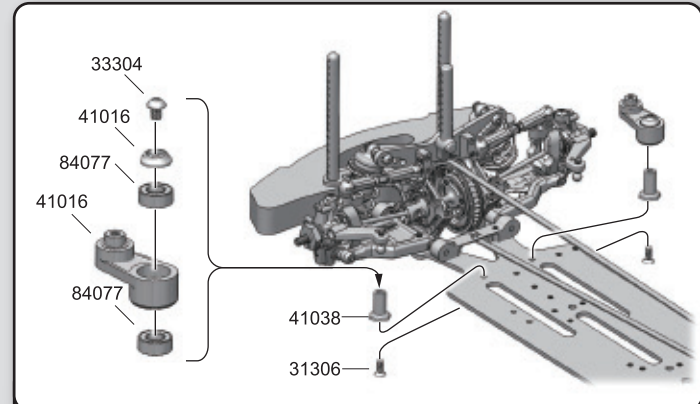


33306
3x6mm x1
B/H Screw



31308
3x8mm x2
F/H Screw

F BAG



33304 41016 84077 41016 84077



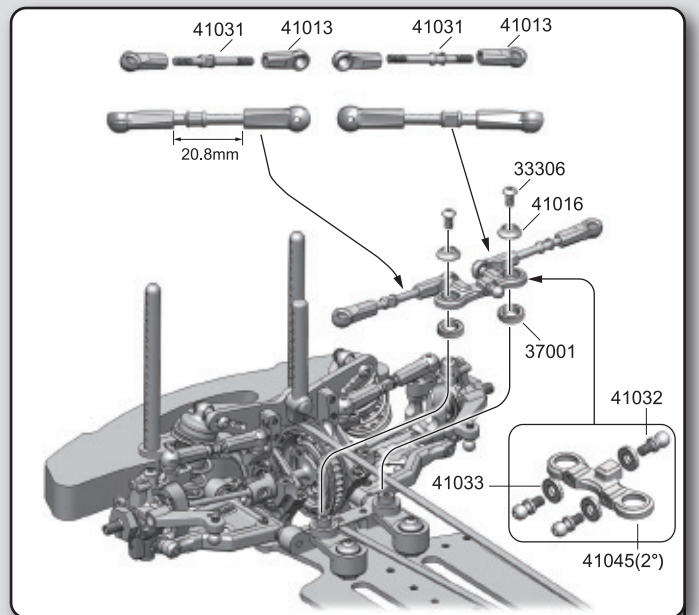
33304
3x4mm x2
B/H Screw



31306
3x6mm x2
F/H Screw



84077
5x10x4mm x4
Ball Bearing



41031 41013 41031 41013
20.8mm 33306 41016 37001 41032 41033 41045(2')



37001
6x10x2.5mm x2
Ball Bearing



33306
3x6mm x2
B/H Screw

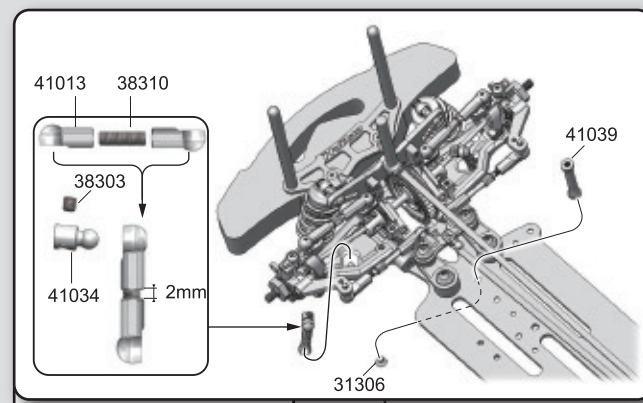


41032
4.8xM3x6mm x3
Ball Stud



41033
3x6x1mm x8
Alum Washer

D BAG



41013 38310 38303 41034 2mm 41039



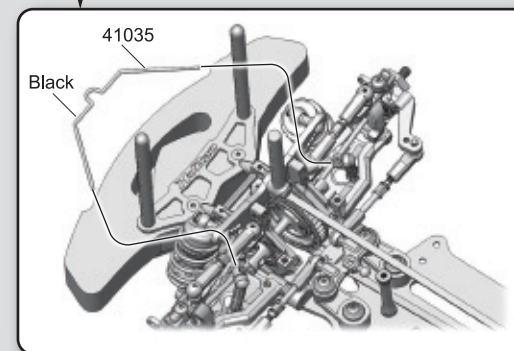
38303
3x3mm x2
Set Screw



38310
3x10mm x2
Set Screw

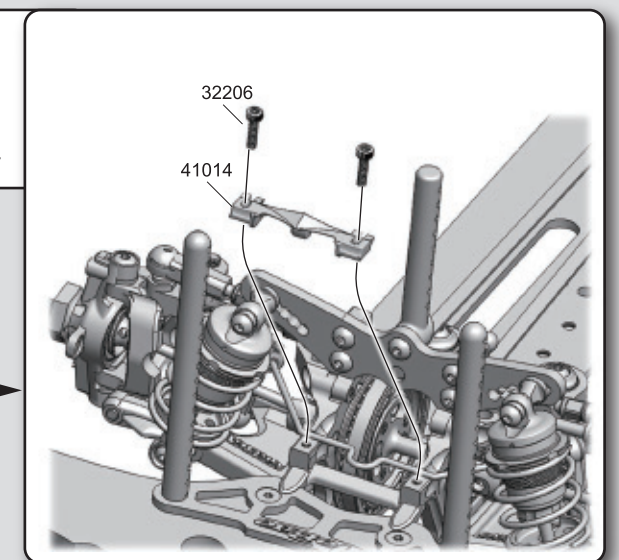


31306
3x6mm x1
F/H Screw



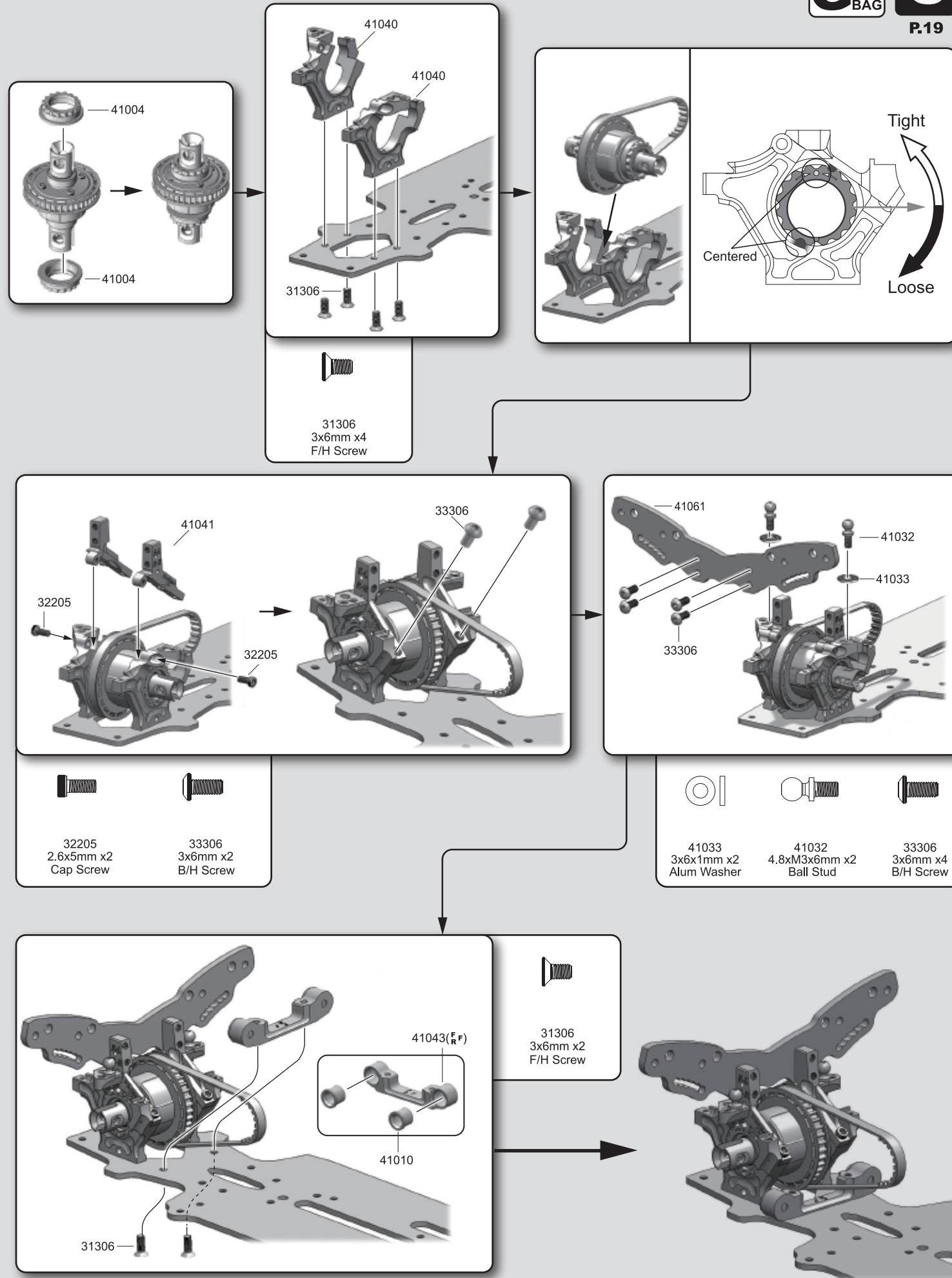
41035
Black

Z BAG
32206
2x6mm x2
Cap Screw

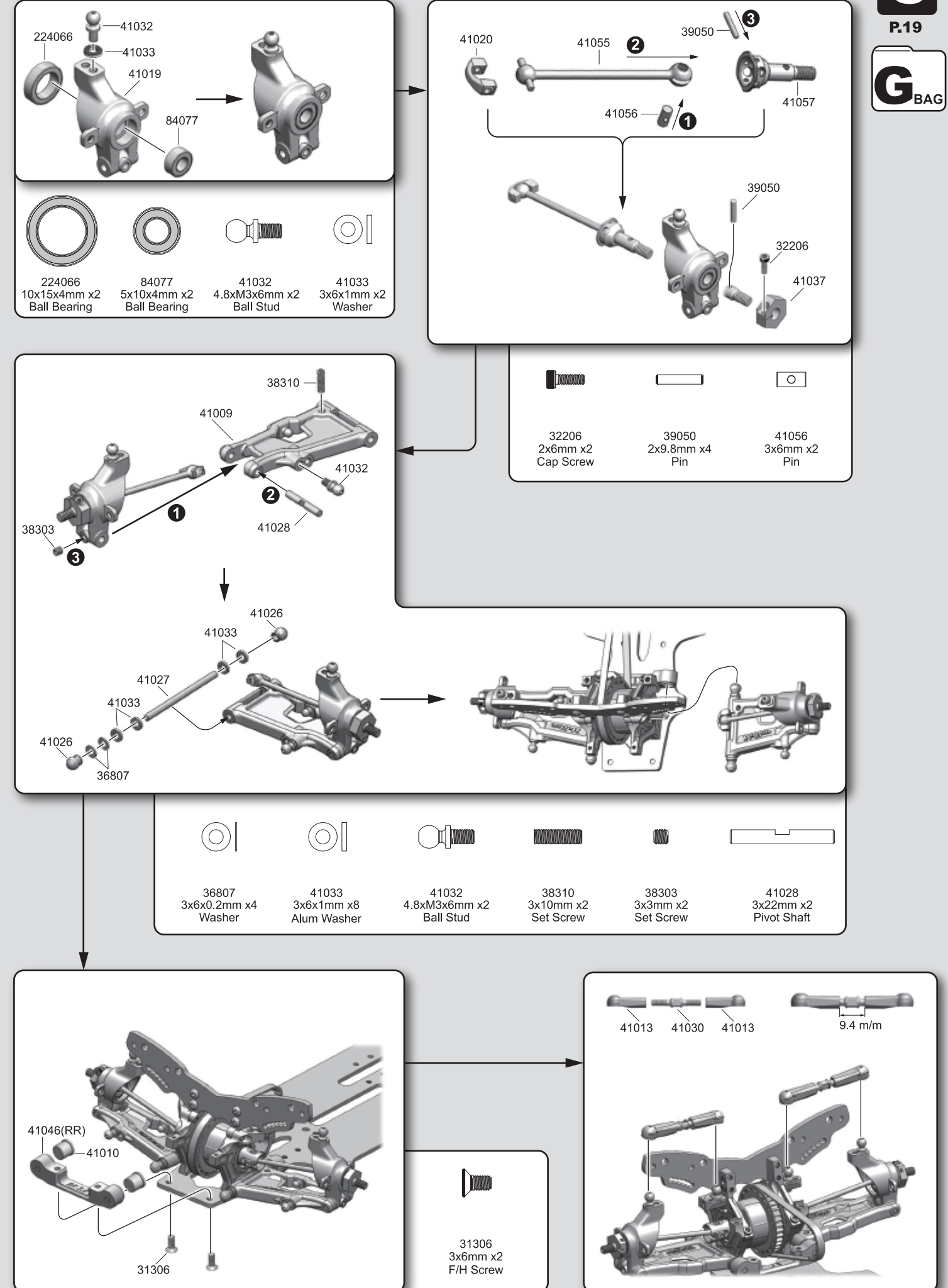


32206 41014

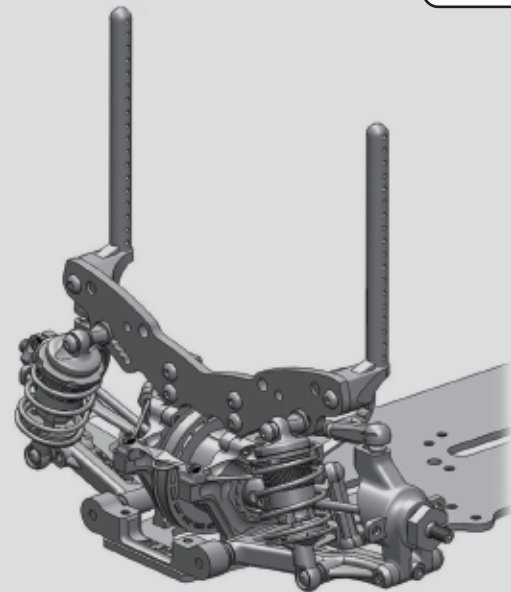
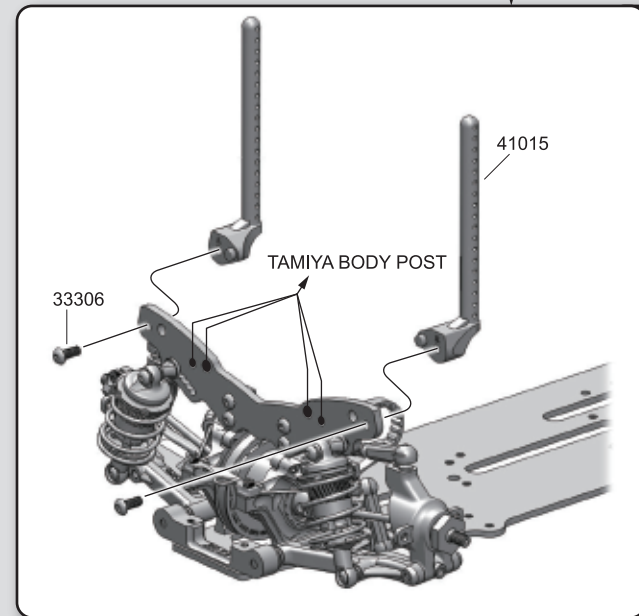
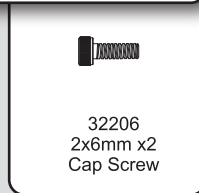
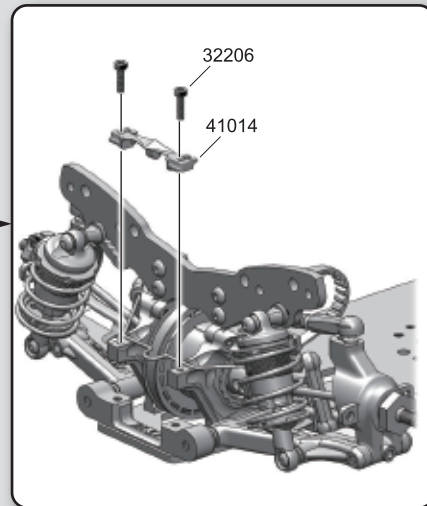
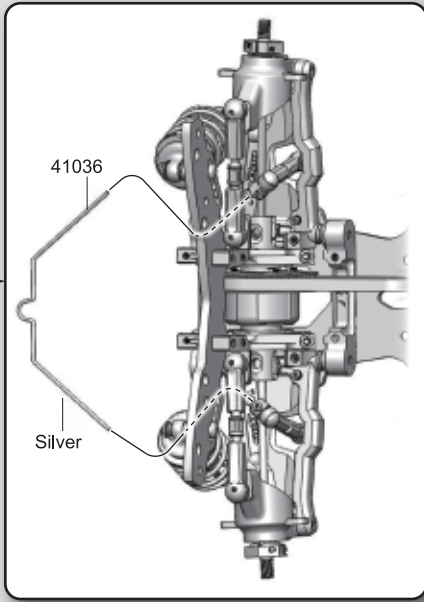
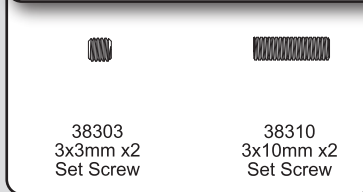
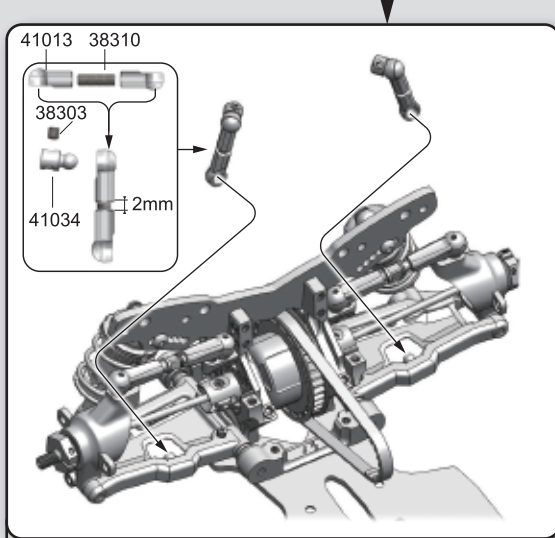
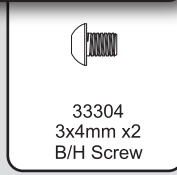
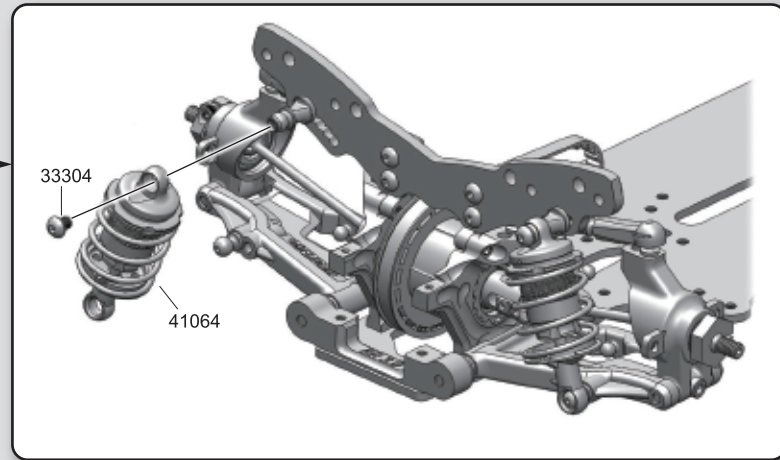
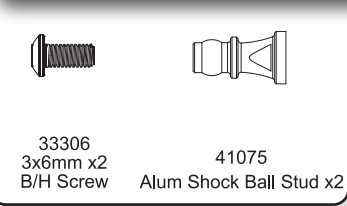
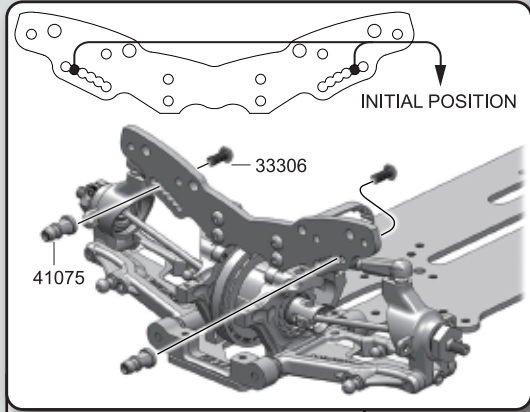
8.Rear Differential Mount Assembly



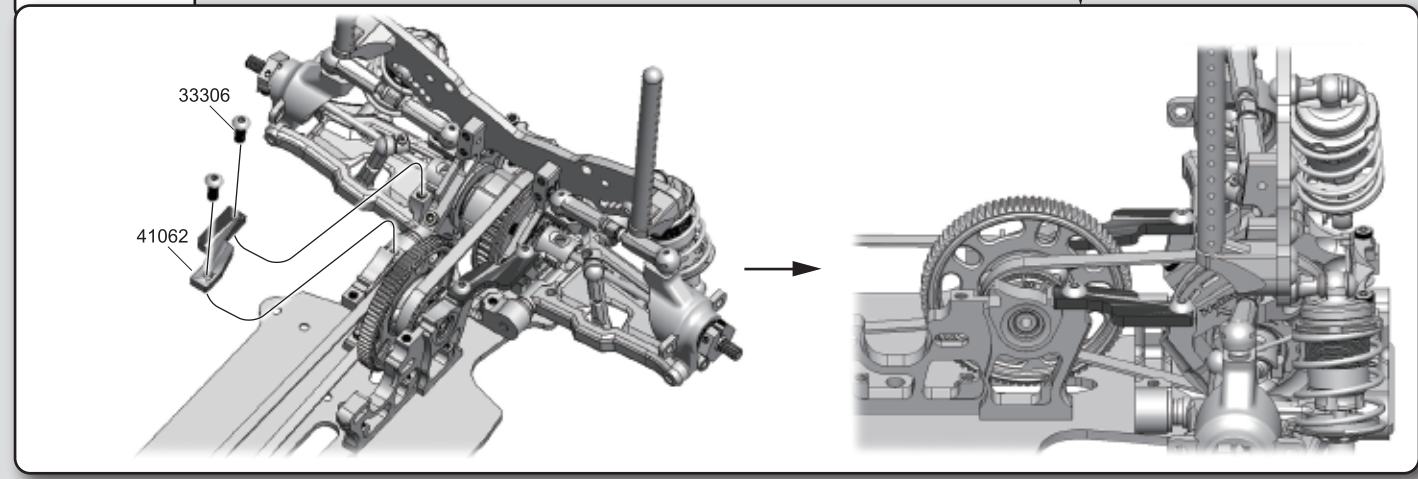
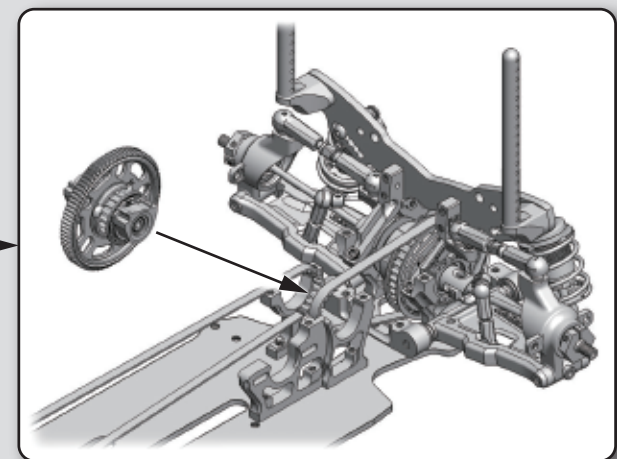
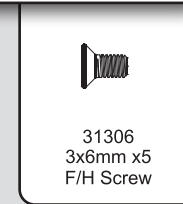
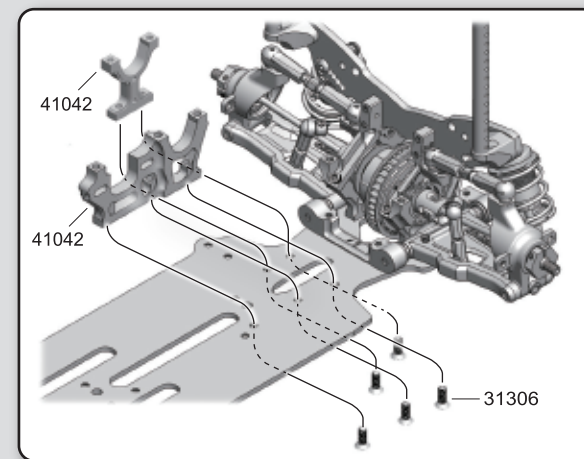
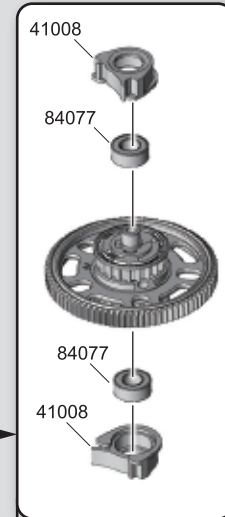
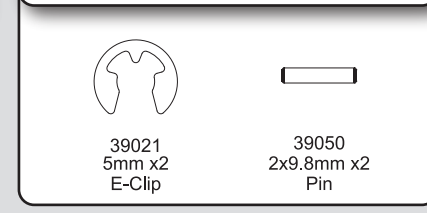
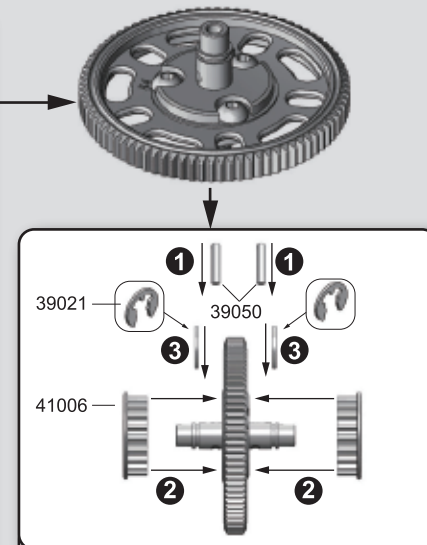
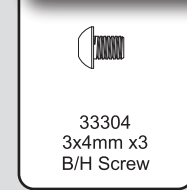
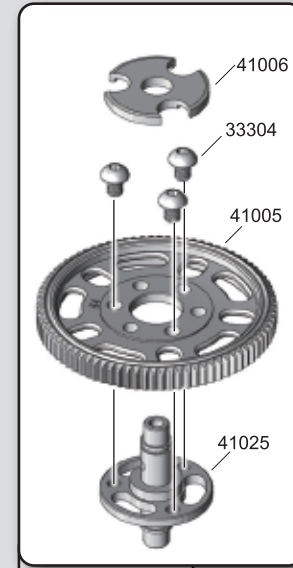
9.Rear Hub & Rear Suspension 1



10. Rear Hub & Rear Suspension 2

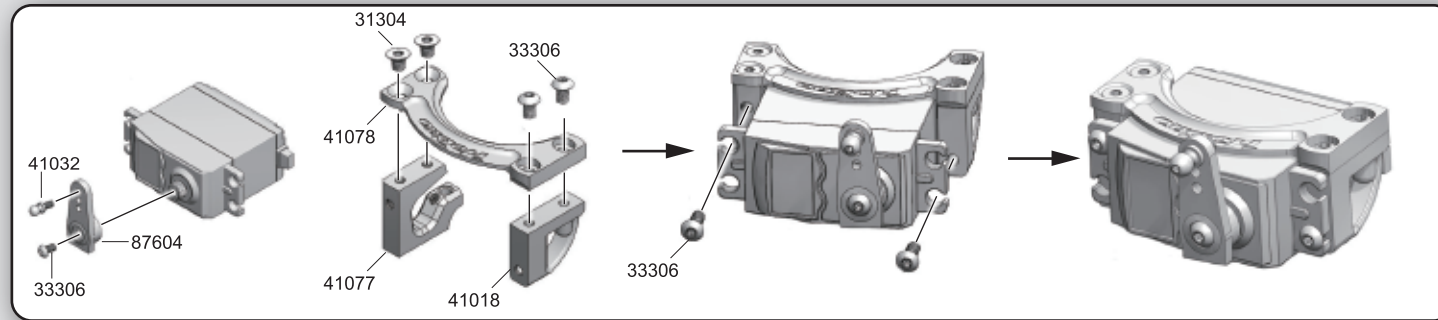


11.Center Differential Assembly

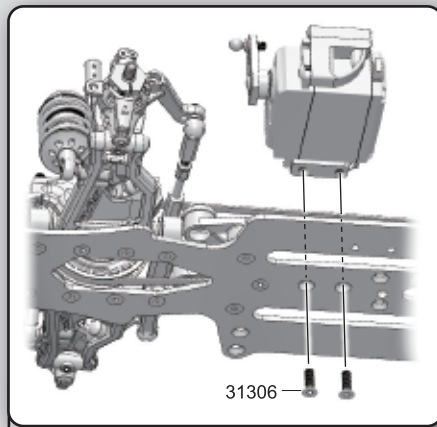


12.Servo & Receive Mount Assembly

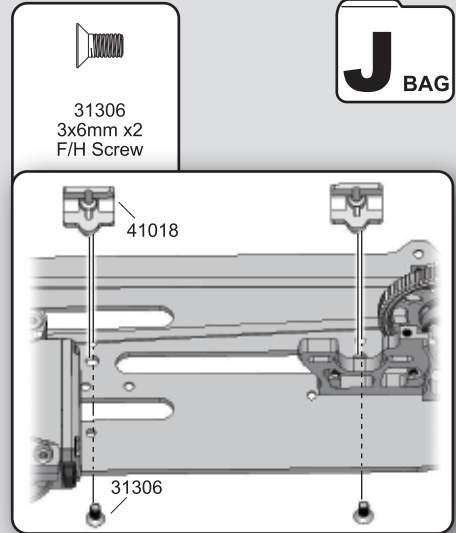
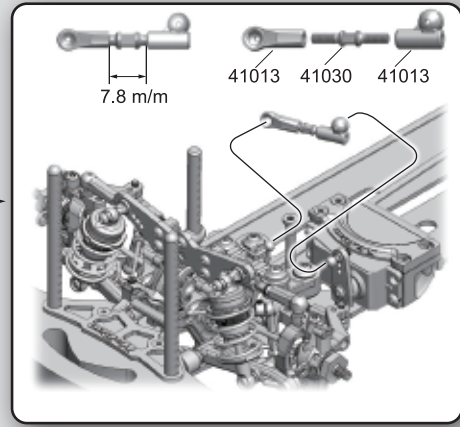
I BAG **D**
P.21



- 41032 4.8xM3x6mm x1 Ball Stud
- 33306 3x6mm x5 B/H Screw
- 31304 3x4mm x2 F/H Screw

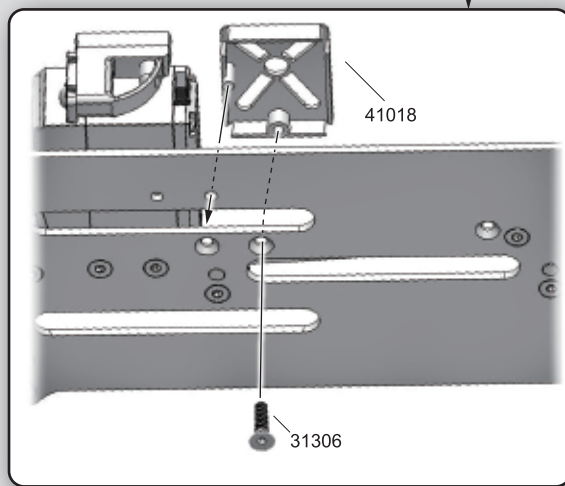


- 31306 3x6mm x2 F/H Screw

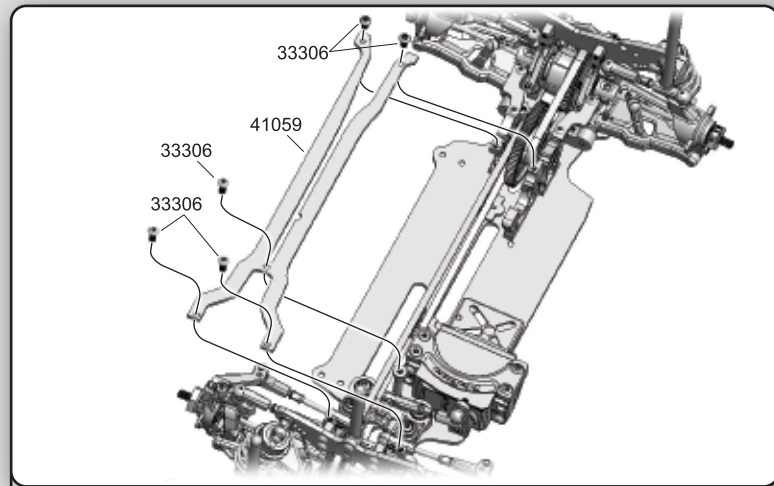


J BAG

- 31306 3x6mm x2 F/H Screw



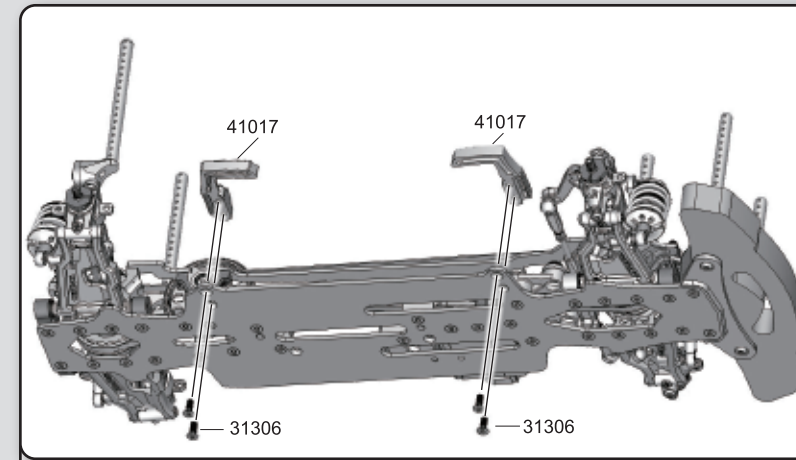
- 31306 3x6mm x1 F/H Screw



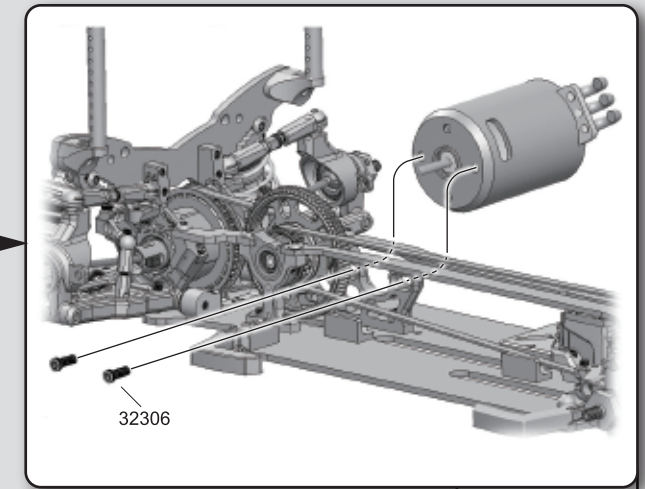
- 33306 3x6mm x5 B/H Screw

13.ESC & Motor Assembly

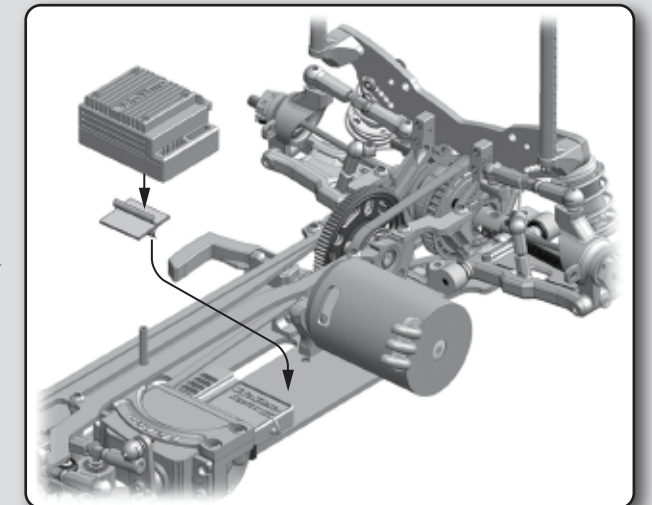
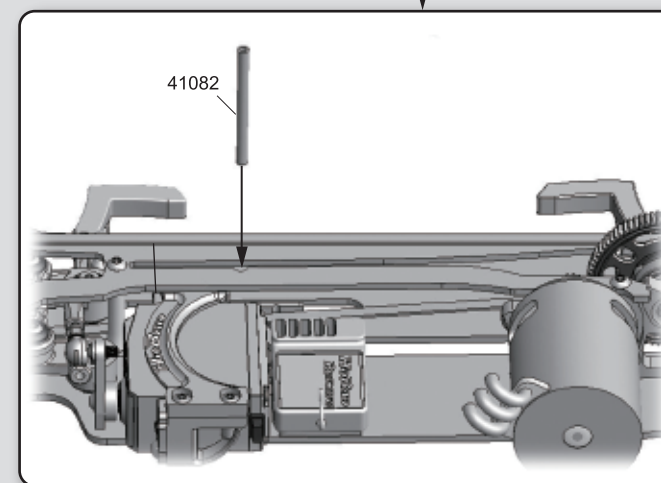
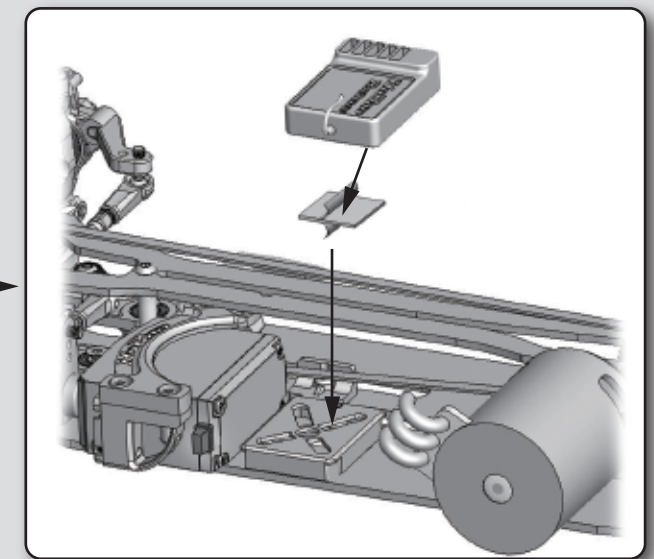
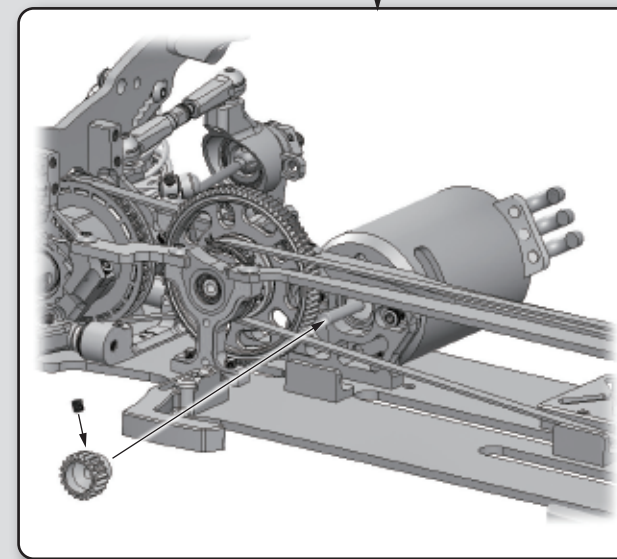
J BAG **D**
P.21



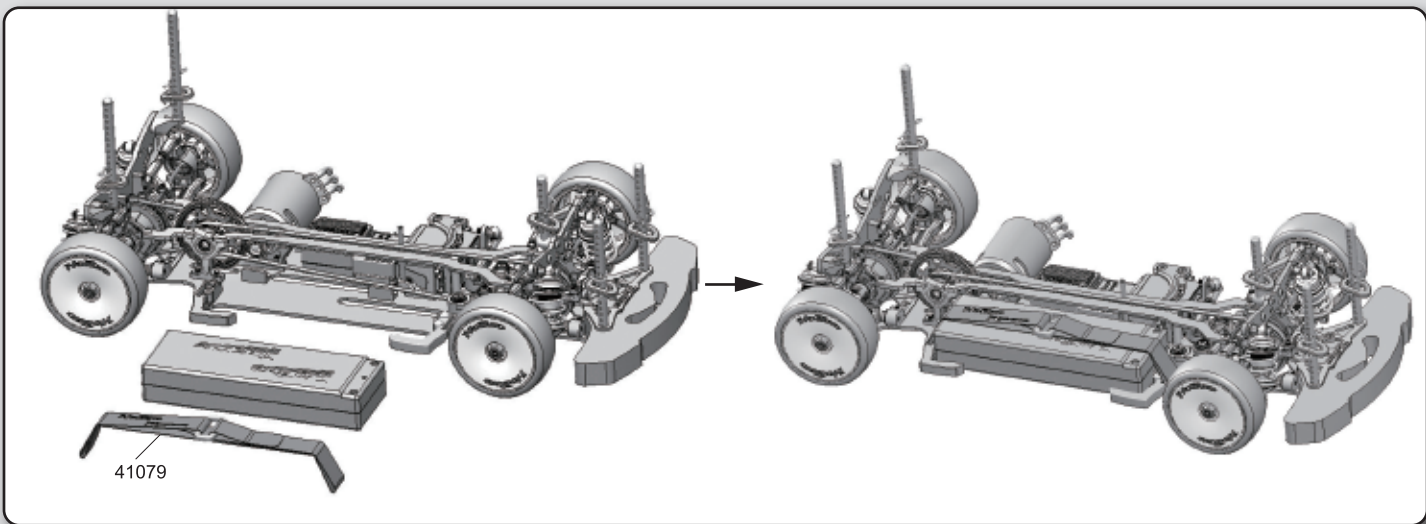
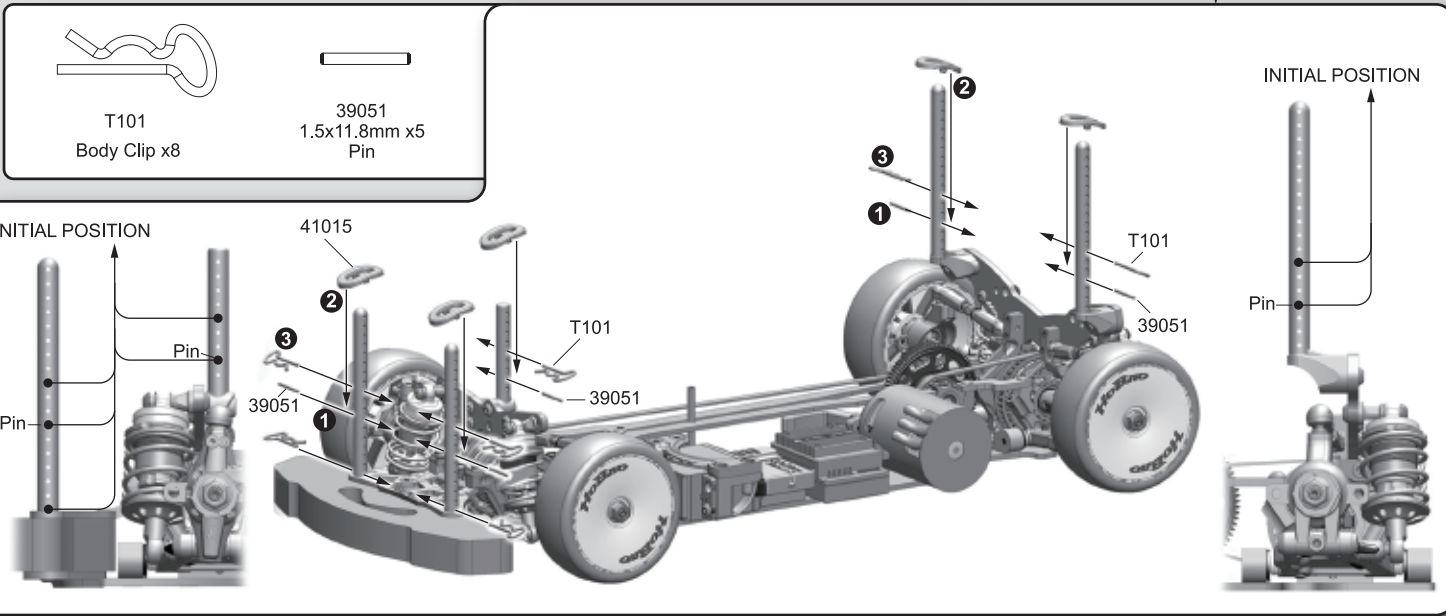
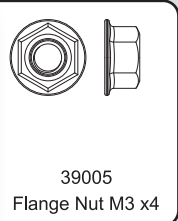
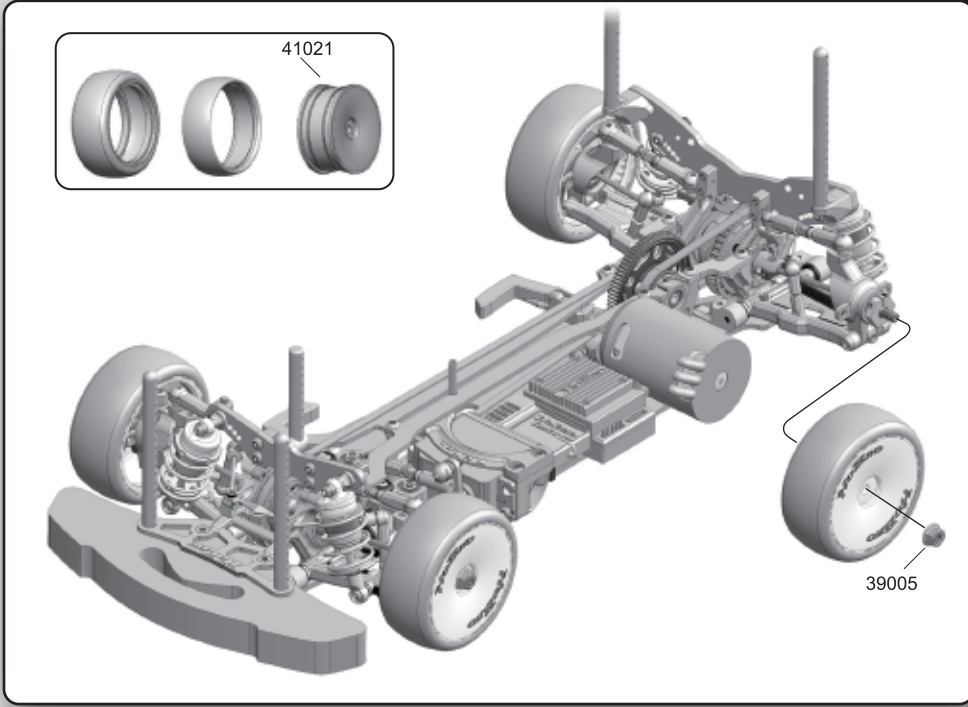
- 31306 3x6mm x4 F/H Screw



- 32306 3x6mm Cap Screw



14. Battery & Wheel Assembly



SETUP SHEET



Name: _____
Date: _____
City: _____
Event: _____
Track: _____

Track Conditions

<input type="checkbox"/> Smooth	<input type="checkbox"/> Hard Packed	<input type="checkbox"/> Blue Grove	<input type="checkbox"/> Wet
<input type="checkbox"/> Rough	<input type="checkbox"/> Loose	<input type="checkbox"/> Dry	<input type="checkbox"/> Dusty
<input type="checkbox"/> Grass	<input type="checkbox"/> Low Traction	<input type="checkbox"/> High Traction	Temp _____ °C/°F
<input type="checkbox"/> Astro Turf	<input type="checkbox"/> Med Traction	<input type="checkbox"/> Other _____	

Front Suspension

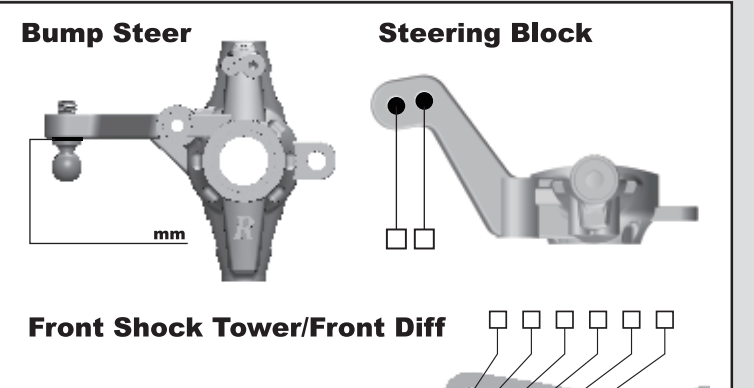
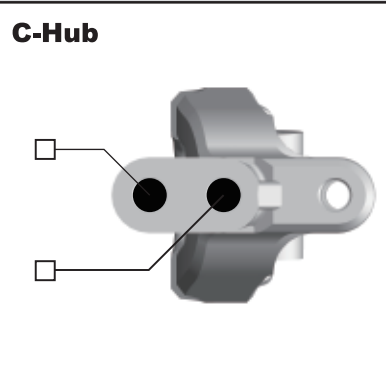
Ride Height _____ mm

Camber _____ °

Caster _____ °

Anti-Roll Bar
 1.1 1.3 1.5 mm

Toe _____ °

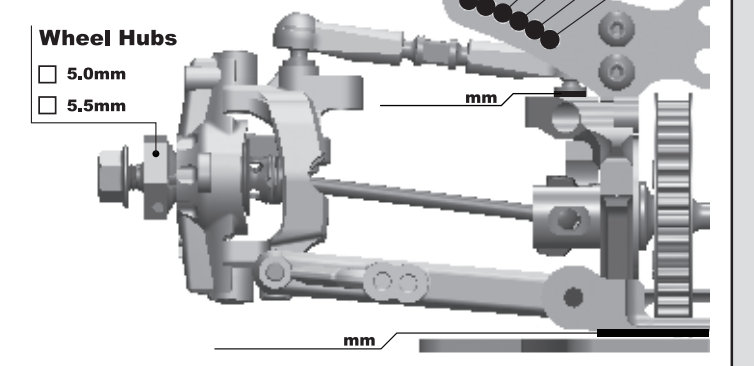
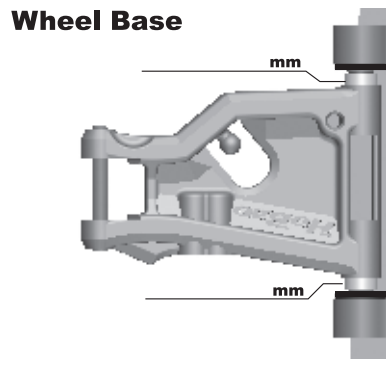


Shock Absorber

Oil _____

Piston	F	R
	<input type="checkbox"/> 1.2	<input type="checkbox"/> 1.2
	<input type="checkbox"/> 1.3	<input type="checkbox"/> 1.3

Spring
 S (Gray) M (White) H (Green)



Rear Suspension

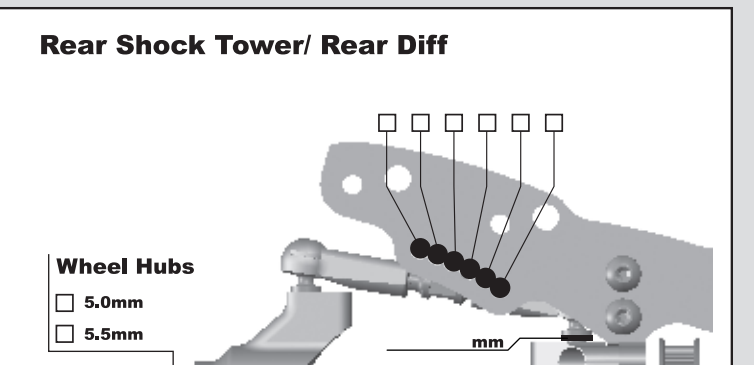
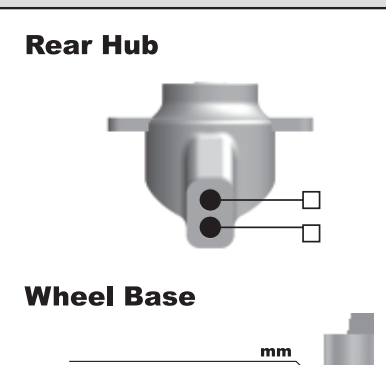
Ride Height _____ mm

Camber _____ °

Caster _____ °

Anti-Roll Bar
 1.1 1.3 1.5 mm

Toe _____ °



Shock Absorber

Oil _____

Piston	F	R
	<input type="checkbox"/> 1.2	<input type="checkbox"/> 1.2
	<input type="checkbox"/> 1.3	<input type="checkbox"/> 1.3

Spring
 S (Gray) M (White) H (Green)

Other Suspension

Differential Mount




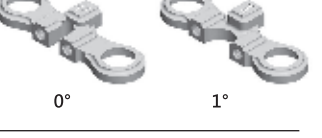
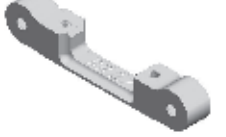
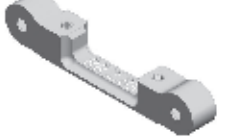
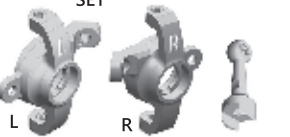




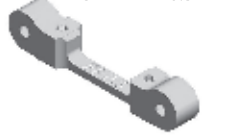



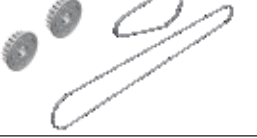




Steering Plate

Differential

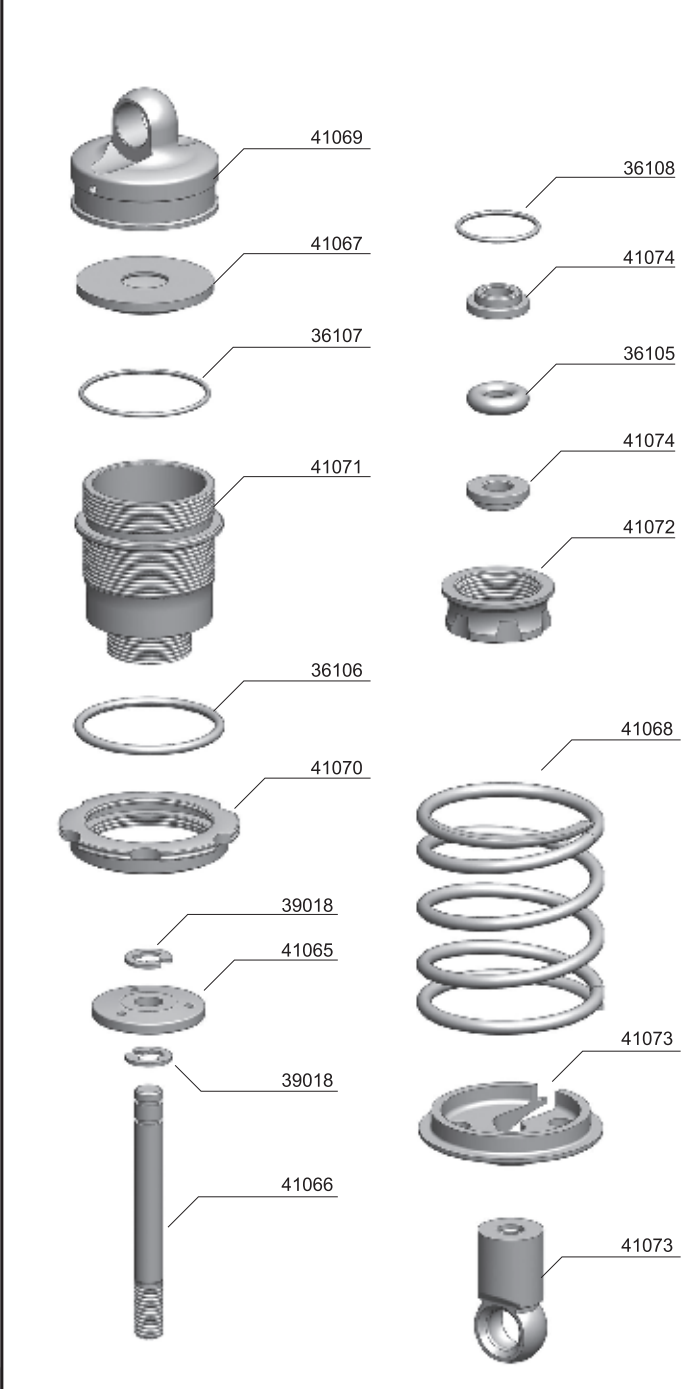
Low
 High

Front		Rear	
		Tire Wheel Insert	
		Tire Treatment Compound	
FL	FR	Treated Area	FL FR

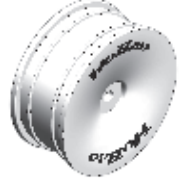
OPTIONAL PARTS

OP1-0036 CNC C-HUB SET 	OP1-0037 CNC REAR HUB 
OP1-0038 CNC SERVO SAVER SUPPORT MOUNT 	OP1-0039 CNC STEERING PLATE 0° 1° 
OP1-0040 CNC SUSPENSION ARM HOLDER RR 2.7° 	OP1-0041 CNC SUSPENSION ARM HOLDER RR 2.85° 
OP1-0042 CNC STEERING KNUCKLE SET L R 	OP1-0043 CNC BALL STUD FOR STEERING 
OP1-0044 SHOCK SPRING-HARD 	OP1-0045 SHOCK SPRING-SOFT 
OP1-0046 CHASSIS CARBON FIBER 2.5 MM 	OP1-0047 CNC SUSPENSION ARM HOLDER FF 0.5° 
OP1-0048 CNC SUSPENSION ARM HOLDER FF 0.25° 	OP1-0049 CNC SUSPENSION ARM HOLDER RF 0.5° 
OP1-0050 ANTI-ROLL BAR SET 1.1MM, 1.3MM & 1.5MM 	OP1-0051 PULLEY 19T & BELT SET 
OP1-0052 PULLEY 19T 	OP1-0053 BELT 3 x 186MM 
OP1-0054 BELT 3 x 507MM 	OP1-0055 STEEL JOINT CUP 

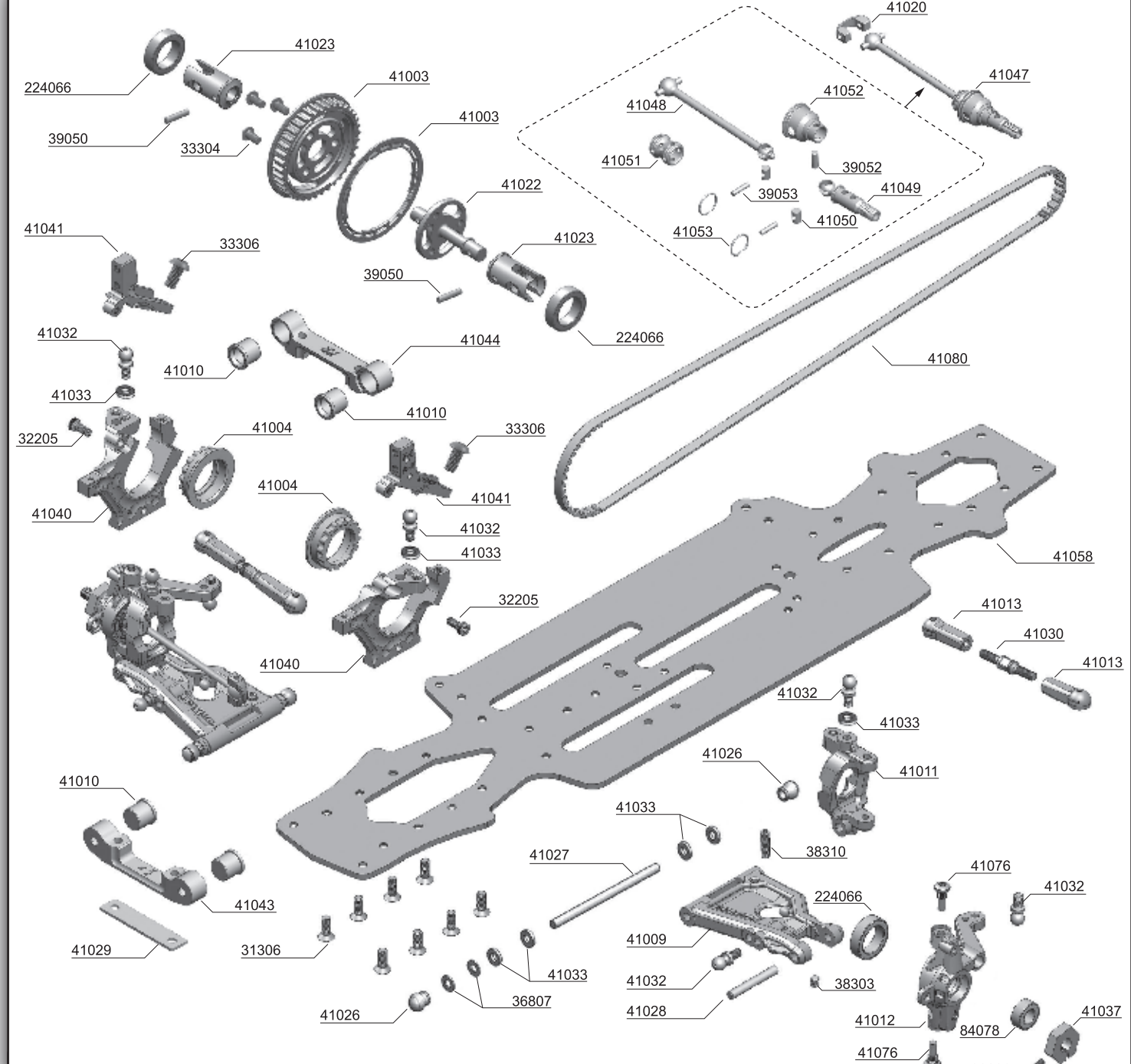
SHOCK ASSEMBLY **A**



36105 O-RING 2.8x6.6MM	41068 SHOCK SPRING
36106 O-RING 14x0.5MM	41069 SHOCK CAP
36107 O-RING 8x0.6MM	41070 ALUM SHOCK ADJ. NUT CAP
36108 O-RING 7x0.7MM	41071 SHOCK BODY
39018 E-CLIP 2.3MM	41072 ALUM SHOCK CAP BOTTOM
41065 SHOCK PISTON	41073 SHOCK BALL JOINT
41066 SHOCK SHAFT	41074 SHOCK SEAL RING
41067 SHOCK BLADDER	

OP1-0056 DISH WHEEL(GREEN)


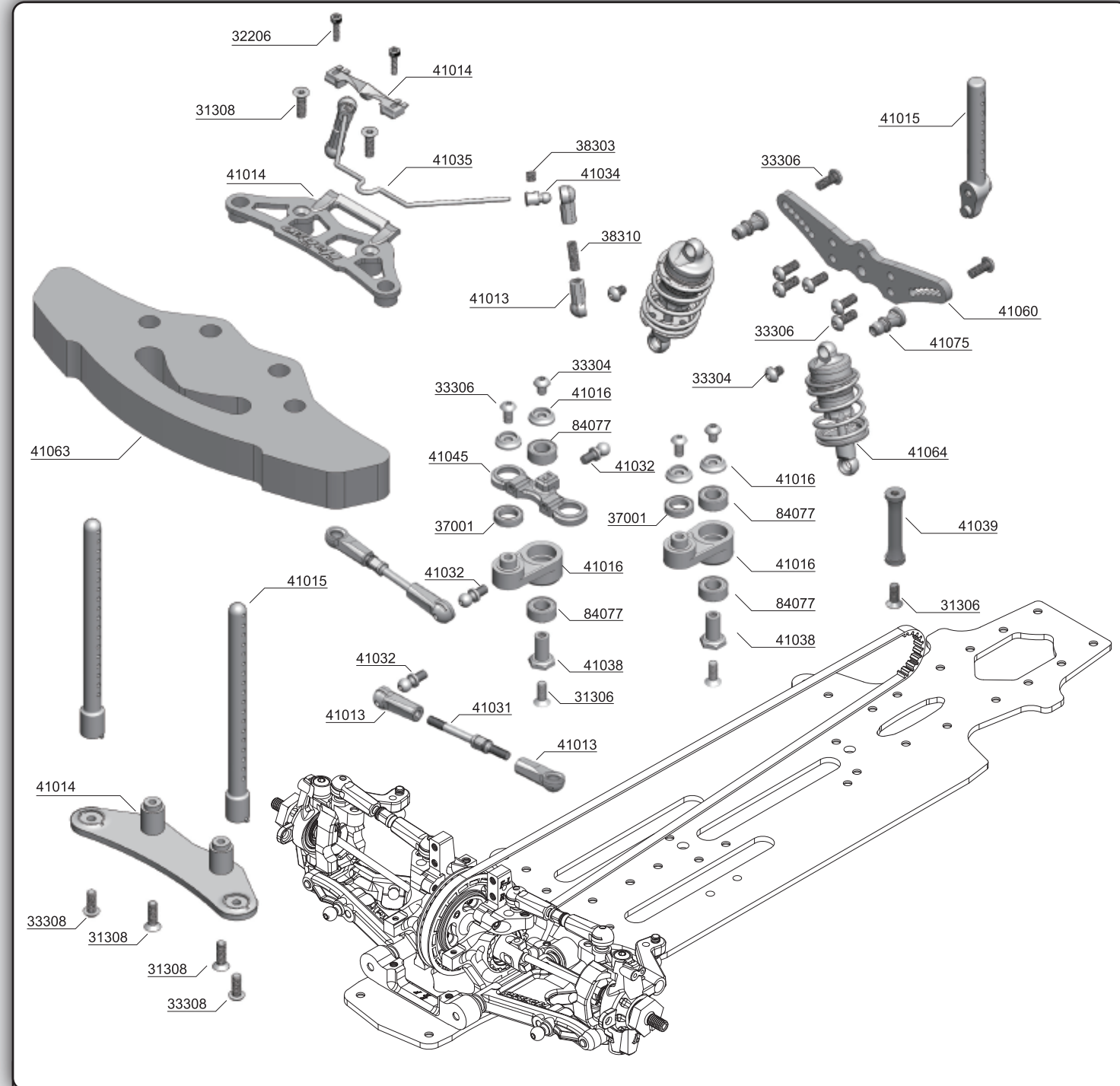
FRONT ASSEMBLY 1 **B**



41003 PULLEY 38T	41037 ALUM WHEEL HUB	36807 SPACER 3x6x0.2MM
41004 BEARING SEAT FOR DIFF	41040 ALUM DIFF SEAT	39050 PIN 2x9.8MM
41009 FRONT/REAR ARM SET	41041 ALUM DIFF SEAT SHUT	39052 PIN 2x5.8MM
41010 ADJUSTABLE INSERT SET	41043 ALUM SUSPENSION ARM HOLDER (FF & RF)	39053 PIN 1.5x6.8MM
41011 C-HUB SET	41044 ALUM SUSPENSION ARM HOLDER (FR)	84077 BEARING 5x10x4MM
41012 STEERING KNUCKLE SET	41047 FRONT DOUBLE JOINT CVD SET	84078 BEARING 6x10x3MM
41013 BALL END SET 4.8MM	41048 DOUBLE JOINT CVD - SHAFT	224066 BEARING 10x15x4MM
41020 DRIVE SHAFT PLASTIC CAP	41049 DOUBLE JOINT CVD - AXLE	31306 M3x6 FLAT HEAD SCREW
41022 DIFFERENTIAL GEAR HOLDER	41050 DOUBLE JOINT CVD - REBUILDING	32205 M2.6x5 CAP HEAD SCREW
41023 ALUM JOINT CUP	41051 DOUBLE JOINT CVD - CONNECTED SLEEVE	32206 M2x6 CAP HEAD SCREW
41026 ALUM BALL STUD 5.8MM	41052 DOUBLE JOINT CVD - CUP	33304 M3x4 BUTTON HEAD SCREW
41027 SUSPENSION PIVOT SHAFT 3x49.2MM	41053 DOUBLE JOINT CVD - C-CLIP	33306 M3x6 BUTTON HEAD SCREW
41028 SUSPENSION PIVOT SHAFT 3x22MM	41058 CHASSIS CARBON FIBER 2.3MM	38303 M3x3 SET SCREW
41029 DIP SHIM	41076 CNC M3x8 KINGPIN SCREW	38310 M3x10 SET SCREW
41030 TURNBUCKLE 3x25MM	41080 DRIVE BELT 3 x 510MM	
41032 BALL STUD 4.8MM		
41033 ALUM WASHER 3x6x1MM		

FRONT ASSEMBLY 2

B

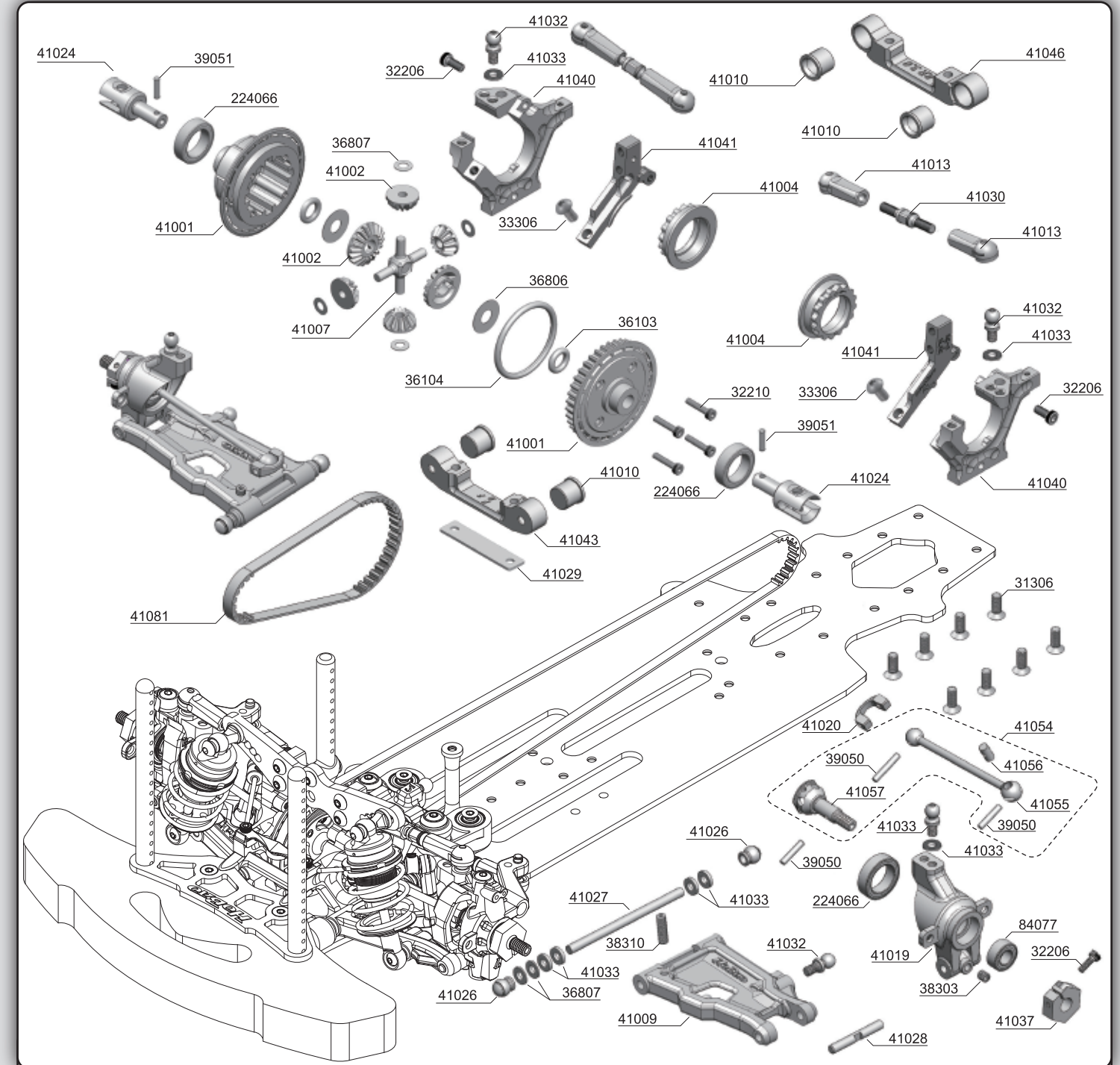


41013	BALL END SET 4.8MM
41014	PLASTIC BUMPER
41015	BODY POST
41016	SERVO SAVER SET
41031	TURNBUCKLE 3x37MM
41032	BALL STUD 4.8MM
41034	ALUM BALL STUD 3.8MM
41035	ANTI-ROLL BAR 1.5MM
41038	ALUM STEERING POST FOR SERVO SAVER
41039	ALUM UPPER DECK POST
41045	ALUM STEERING PLATE (2°)
41060	FRONT SHOCK TOWER 3MM CARBON FIBER
41063	FOAM BUMPER
41064	SHOCK ABSORBER SET
41075	ALUM SHOCK BALL STUD

37001	BEARING 6x10x2.5MM
31306	M3x6 FLAT HEAD SCREW
31308	M3x8 FLAT HEAD SCREW
32206	M2x6 CAP HEAD SCREW
33304	M3x4 BUTTON HEAD SCREW
33306	M3x6 BUTTON HEAD SCREW
33308	M3x8 BUTTON HEAD SCREW
38303	M3x3 SET SCREW
38310	M3x10 SET SCREW

REAR ASSEMBLY 1

C



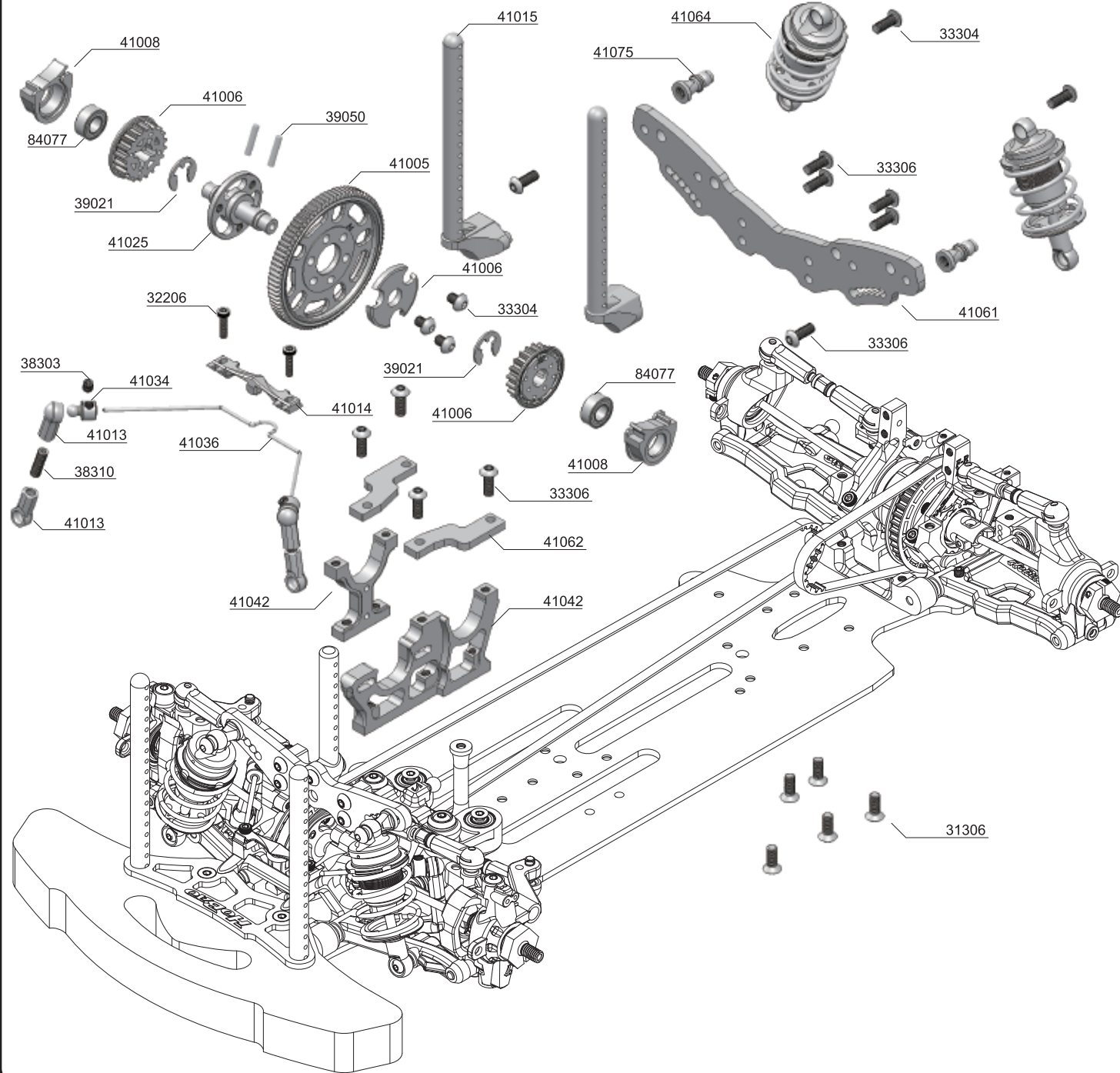
41001	DIFFERENTIAL CASE & PULLEY
41002	BEVEL GEAR SET
41004	BEARING SEAT FOR DIFFERENTIAL
41007	GEAR DIFF CROSS SHAFT
41009	FRONT/REAR ARM SET
41010	ADJUSTABLE INSERT SET
41013	BALL END SET 4.8MM
41019	REAR HUB
41020	DRIVE SHAFT PLASTIC CAP
41024	ALUM DIFFERENTIAL OUTDRIVE CUP
41026	ALUM BALL STUD 5.8MM
41027	SUSPENSION PIVOT SHAFT 3x49.2MM
41028	SUSPENSION PIVOT SHAFT 3x22MM
41029	DIP SHIM
41030	TURNBUCKLE 3x25MM

41032	ALUM BALL STUD 4.8MM
41033	ALUM WASHER 3x6x1MM
41037	ALUM WHEEL HUB
41040	ALUM DIFFERENTIAL SEAT
41041	ALUM DIFFERENTIAL SEAT SHUT
41043	ALUM SUSPENSION ARM HOLDER (FF & RF)
41046	ALUM SUSPENSION ARM HOLDER(RR)
41054	REAR ALUM CVD SHAFT SET
41055	AXLE 49.3MM
41056	PIN FOR REAR CVD SHAFT
41057	CVD AXLE
41081	DRIVE BELT 3 x 189MM

84077	BEARING 5x10x4MM
36103	O-RING 5x2MM
36104	O-RING 22x2MM
36806	SPACER 5x11x0.2MM
36807	SPACER 3x6x0.2MM
39050	PIN 2x9.8MM
39051	PIN 1.5x11.8MM
224066	BEARING 10x15x4MM
31306	M3x6 FLAT HEAD SCREW
32206	M2x6 CAP HEAD SCREW
32210	M2x10 CAP HEAD SCREW
38303	M3x3 SET SCREW
38310	M3x10 SET SCREW

REAR ASSEMBLY 2

C

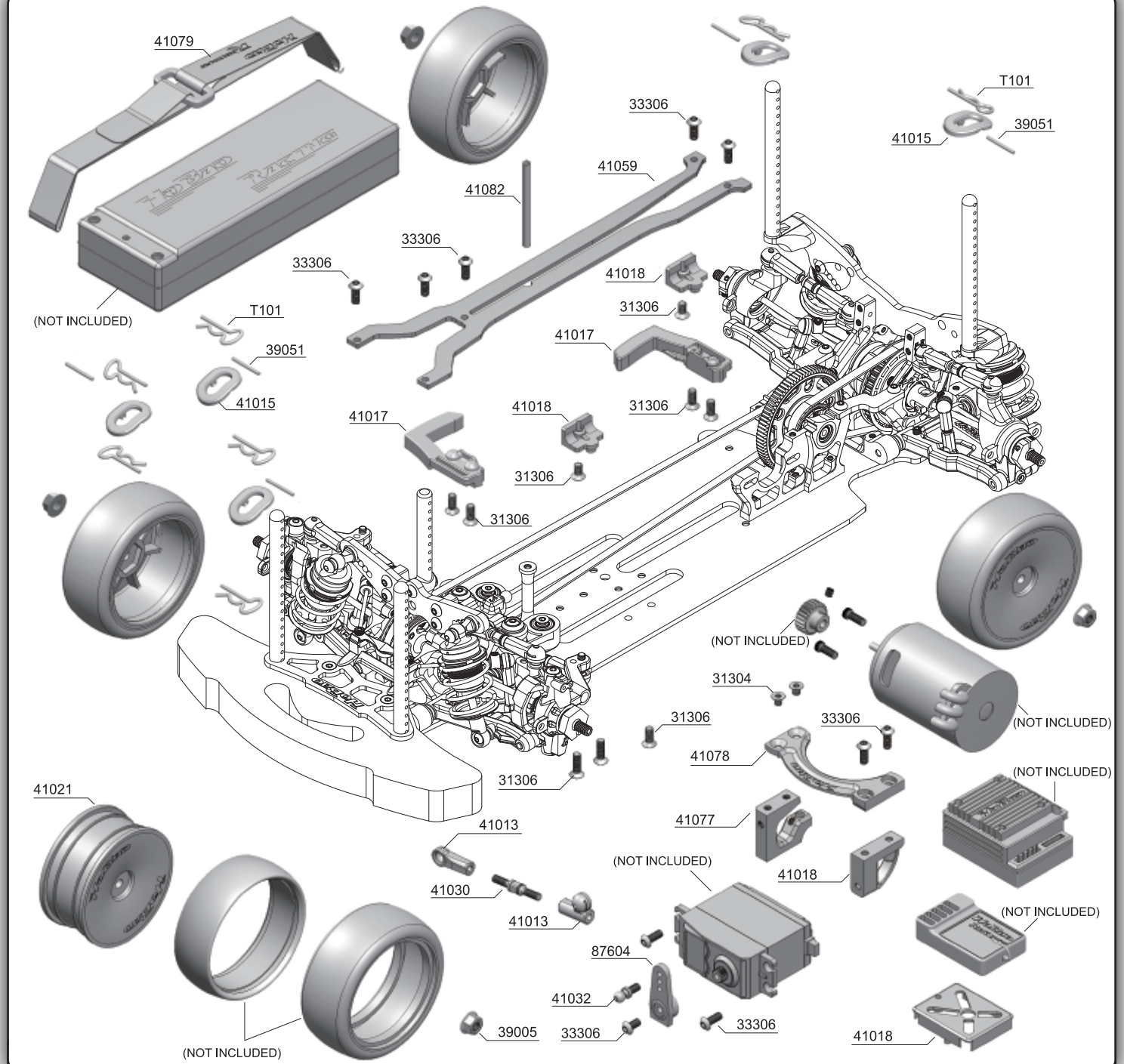


39021	E-CLIP 5MM
39050	PIN 2x9.8MM
41005	SPUR GEAR 48P - 84T
41006	PULLEY 20T
41008	BEARING SEAT FOR CENTER SHAFT
41013	BALL END SET 3.8MM
41014	ANTI-ROLL BAR MOUNT
41015	BODY POST
41025	SOLID LAYSHAFT
41034	ALUM BALL STUD 3.8MM
41036	ANTI-ROLL BAR 1.3MM
41042	ALUM MOTOR MOUNT
41061	REAR SHOCK TOWER 3MM CARBON FIBER
41062	REAR SUPPORT PLATE 2.3MM CARBON FIBER
41075	ALUM SHOCK BALL STUD

31306	M3x6 FLAT HEAD SCREW
32206	M2x6 CAP HEAD SCREW
33304	M3x4 BUTTON HEAD SCREW
33306	M3x6 BUTTON HEAD SCREW
38303	M3x3 SET SCREW
38310	M3x10 SET SCREW

FINAL ASSEMBLY

D



41013	BALL END SET 3.8MM
41015	BODY POST
41017	BATTERY STOP
41018	RADIO TRAY & SERVO MOUNT
41021	DISH WHEEL(WHITE)
41030	TURNBUCKLE 3x25MM
41032	ALUM BALL STUD 4.8MM
41059	UPPER DECK 2.0MM CARBON FIBER
41077	ALUM SERVO MOUNT
41078	ALUM COVER FOR SERVO MOUNT
41079	MAGIC STRIP
41082	ANTENNA TUBE
87604	SERVO HORN
T101	BODY CLIP

31304	M3x4 FLAT HEAD SCREW
31306	M3x6 FLAT HEAD SCREW
32306	M3x6 CAP HEAD SCREW
33306	M3x6 BUTTON HEAD SCREW
38303	M3x3 SET SCREW
39005	FLANGE NUT M3
39051	PIN 1.5x11.8MM