



INSTRUCTION MANUAL



PERFORMANCE FEATURES

- NEW DIFFERENTIAL HOUSING DESIGN ALLOWS FOR QUICK DIFFERENTIAL SWAPS / QUICK-ACCESS FRONT AND REAR DIFF DESIGN
- COVERED RECEIVER BOX AND ELECTRONICS MOUNTS
- NEWLY DESIGNED LOW-DRAG POLYCARBONATE (PC) BODYSHELL
- ANGLED BEVEL GEAR DESIGN IN FRONT AND REAR GEARBOXES FOR IMPROVED CENTER DOGBONE ALIGNMENT AND QUICKER ACCELERATION
- QUICK-RELEASE CENTER DIFF MOUNT FOR FAST DIFFERENTIAL ADJUSTMENT
- EQUIPPED WITH 17MM ANTI-LOOSENING HEX WHEEL NUTS
- ONE-PIECE WING MOUNT REDUCES DEFORMATION
- HIGH-STIFFNESS SHOCK SPRINGS
- NEW RECEIVER BOX DESIGN ALLOWS TRANSPONDER TO BE CONCEALED
- FRONT CASTER ANGLE ADJUSTABLE BLOCK FOR QUICK CASTER ANGLE ADJUSTMENT
- LIGHT WEIGHT FRONT, REAR AND CENTER DIFFERENTIALS

OFF ROAD ELECTRIC BUGGY 1/8 HIGH PERFORMANCE

- COMPLETE SET OF LIGHT WEIGHT OUT DRIVES
- 7075 CNC 5MM ALUMINIUM FRONT AND REAR SHOCK TOWERS
- 7075 CNC ARM HOLDER AND TOE PLATE
- 7075 3MM LIGHTENED CHASSIS WITH COUNTERSUNK SCREWS
- BATTERY TRAYS ACCOMMODATE THE LATEST SHORTY AND MID-SIZE BATTERIES
- COMPLETE HIGH PERFORMANCE BEARING SET
- TWO-PIECE CNC ALUMINUM MOTOR MOUNT
- FRONT / REAR CHASSIS RESERVATION SPACE FOR COUNTER WEIGHT AT FRONT / REAR CHASSIS
- CNC MACHINED HARDENED 13 TOOTH BEVEL PINION GEAR
- CNC MACHINED HARDENED 43 TOOTH BEVEL GEAR
- 2.5MM CARBON FIBER CENTER UPPER PLATE

THIS IS NOT TOY !

• DO NOT USE WITH CHILDREN UNDER 16 YEARS OF AGE OR WITHOUT ADULT SUPERVISION.

KIT IN INSTRUCTION MANUAL MAY BE DIFFER FROM PICTURE SHOWN.
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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WARNINGS

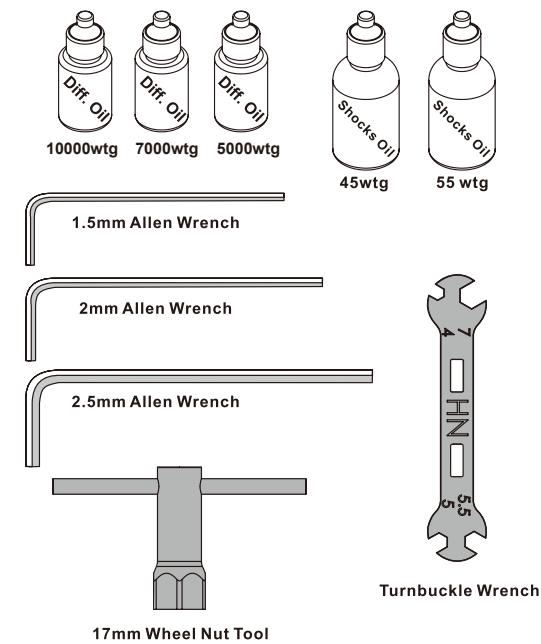
- This product is not intended for those under 14 years of age without proper adult supervision. The product is not a toy. It is a precision machine requiring proper assembly and setup to avoid accidents and it is the responsibility of the owner to operate this product in a safe manner as it can cause serious personal injury and damage to property due to carelessness or misuse.
- Operate this product within your ability. Do not operate under tired condition.
- Choose an appropriate operating site consisting of flat, smooth ground, and clear open field. Do not operate near buildings, high voltage cable lines, or trees to ensure safety operation. Operate in safe area only, away from other people. RC models are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, user error, and radio interference. Users are responsible for their actions and damage or injury occurring during the operation.
- You should complete a successful pre-run check of your radio equipment and model prior to each run.

WARNING NOTES

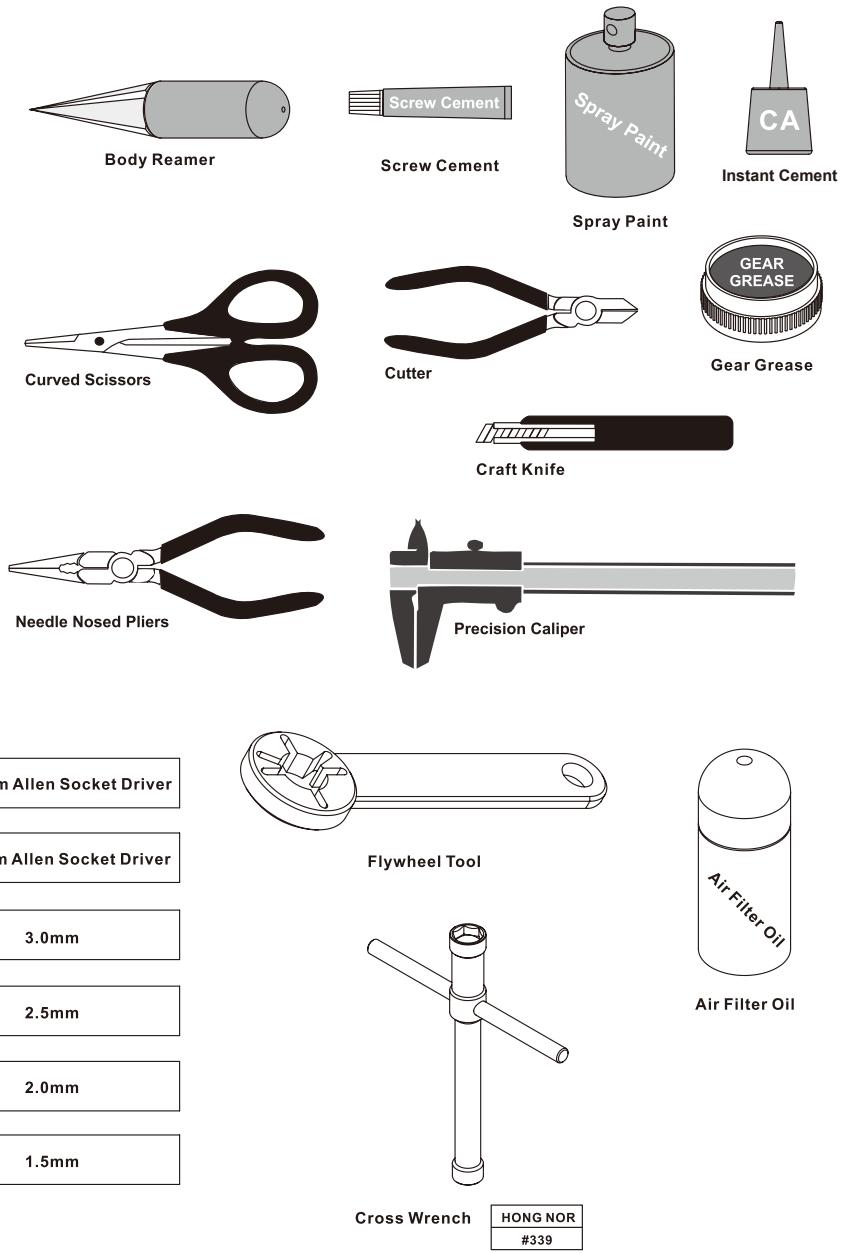
- Don't drive your model car when it raining or thundering to keep safety.
- Keep your model car in dry normal temperature condition, and keep away from water.
- Please do not use other optional parts to install our model car if you can not make sure it can match your car or not. And please do don't over load or or use it to do breaking local law.
- Please keep car away from fire as it was mostly made by plastic and electric material.
- If you are in doubt of your ability to operate the model, we strongly recommend that you seek assistance from experienced RC users or join your local modeling club to gain the required knowledge and skill. As the manufacture and distribution, we assume no liability for the use of this product.

REQUIRED FOR OPERATION

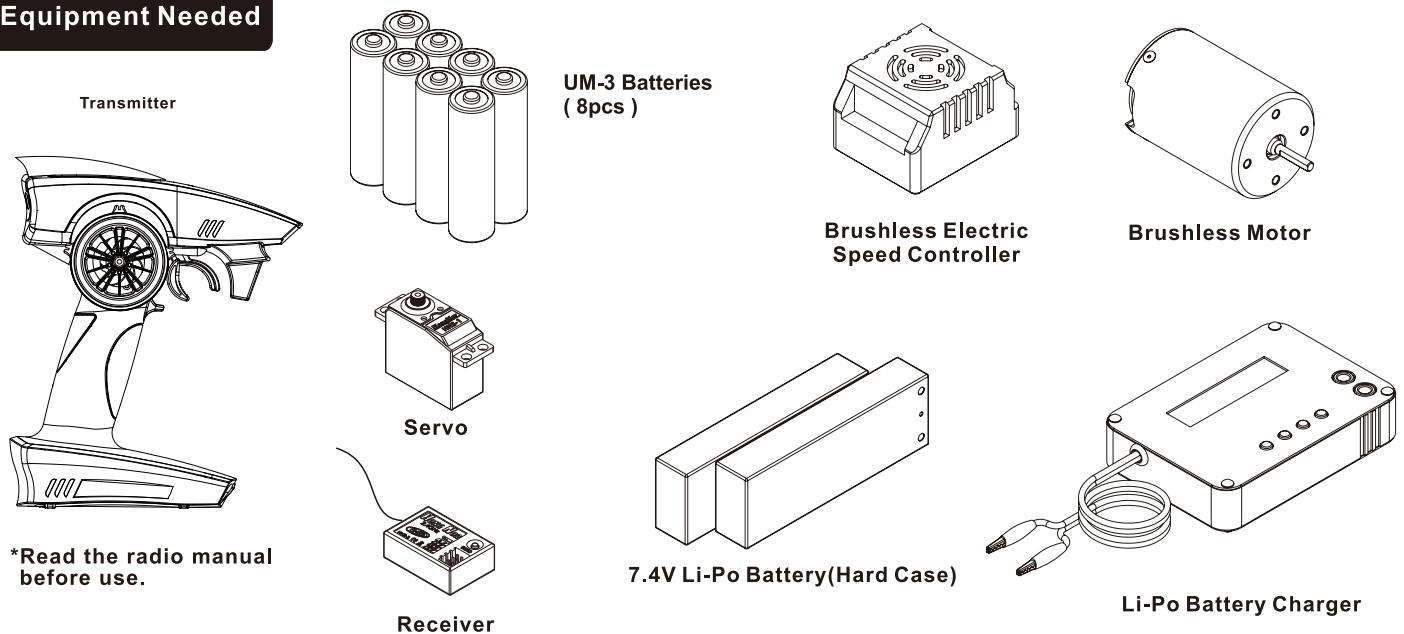
INCLUDED ITEMS



TOOLS NOT INCLUDED IN THE KIT



Equipment Needed



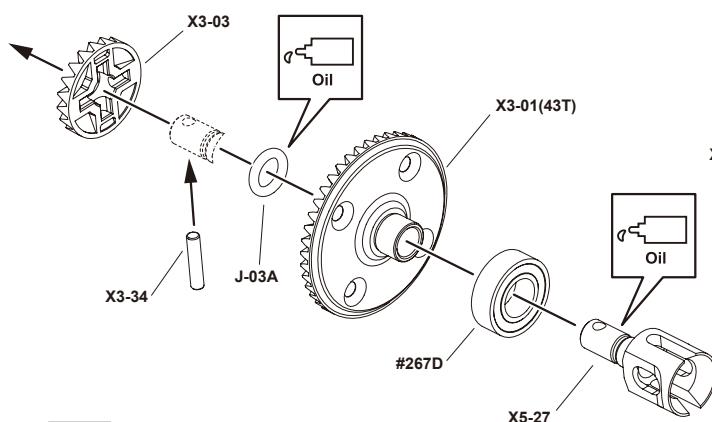
1 ASSEMBLY OF THE FRONT AND REAR DIFF.



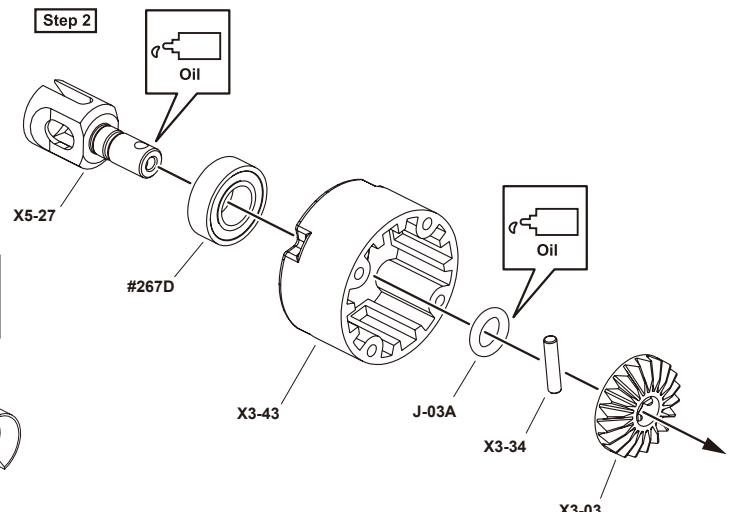
NO.1

Build two differentials for front and rear.

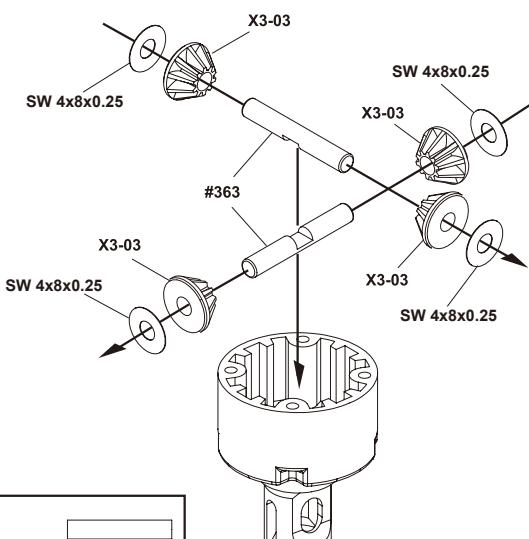
Step 1



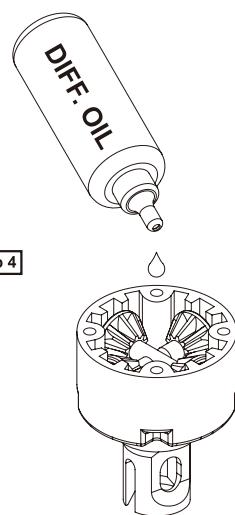
Step 2



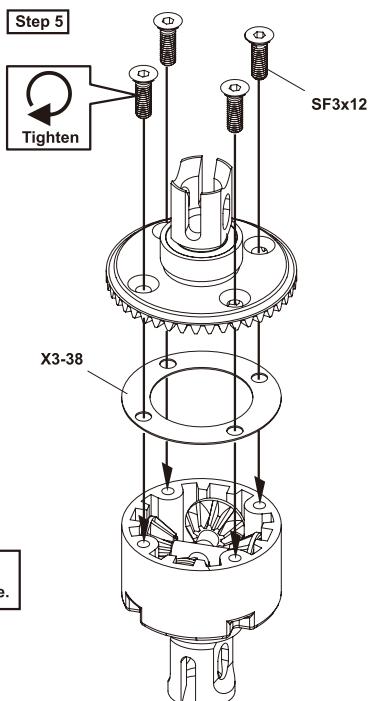
Step 3



Step 4



Step 5



- Use the Diff. Oil #7000 for front and #5000 for rear.
- Use White Oil pen mark front diff. case and rear diff. case.



X3-34
2.5x11.8mm Pinx4

J-03A
P6 O-Ringx4

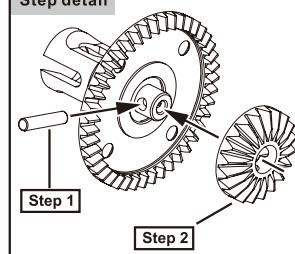
#267D
8x16x5mm
Ball Bearingx4

SW 4x8x0.25
4x8x0.25mm
Washerx8

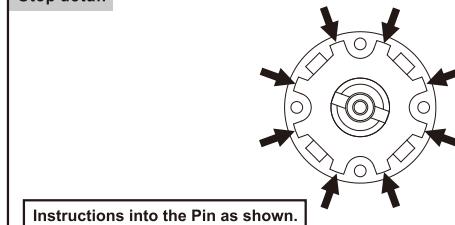
#363
4mm Alum. Cross Pinx4

SF3x12mm
Flat Head Hex Screwx8

Step detail

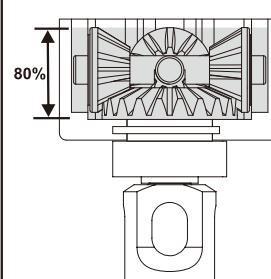


Step detail



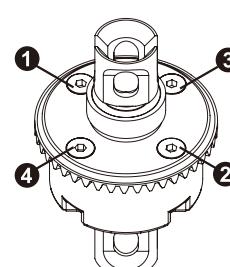
Step detail

Fill the diff oil just level with the top of the satellite gears.

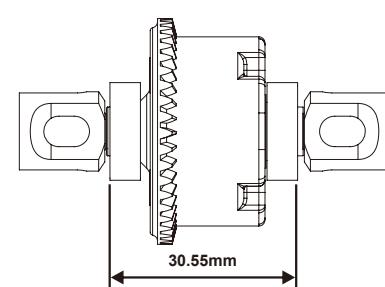


Step detail

Repeat tightening in this order



After assembly the differential should be 30.55 mm measured from the ends of the installed ball-bearings. If differential is longer, hold the bevel gear and retighten the 4 screws.

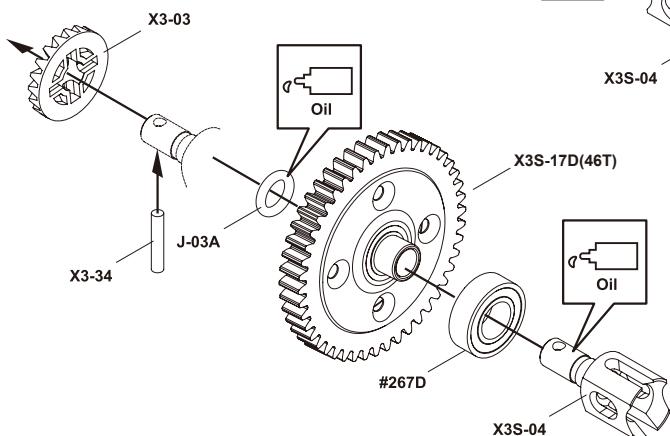


2 ASSEMBLY OF THE CENTER DIFF.

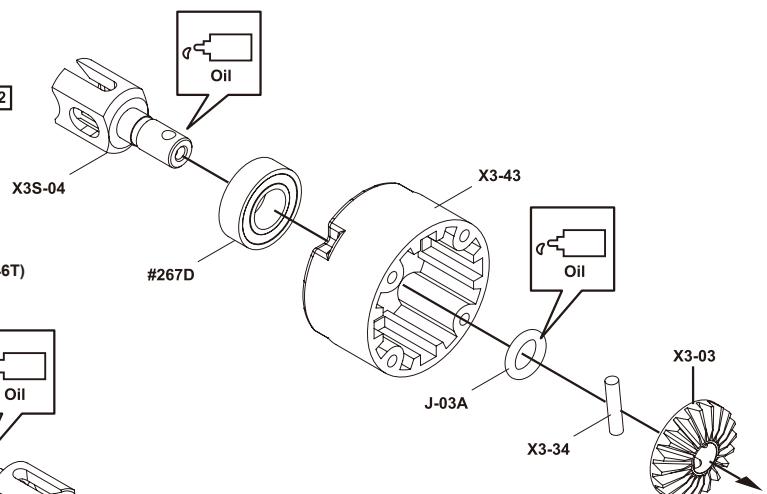


NO.1

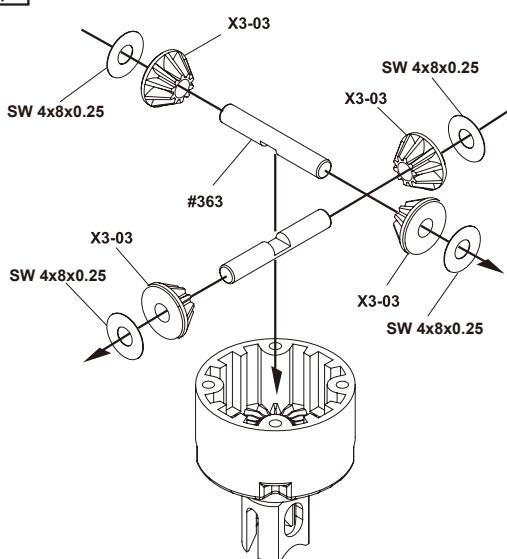
Step 1



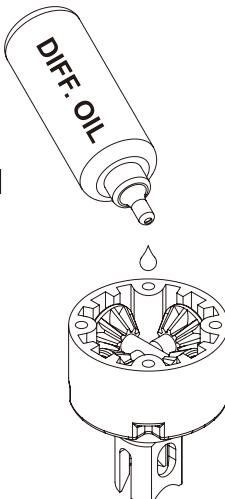
Step 2



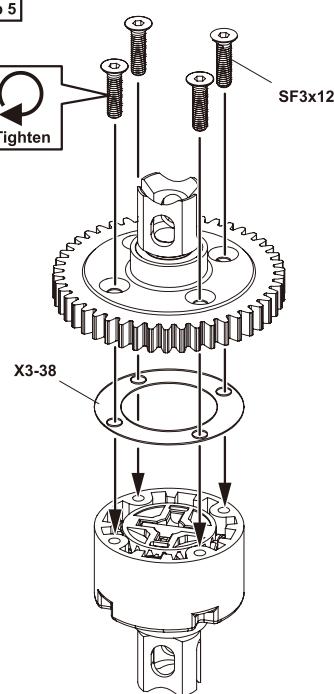
Step 3



Step 4



Step 5

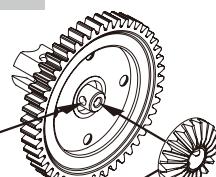


Use the Diff. Oil #10000 for the center diff.

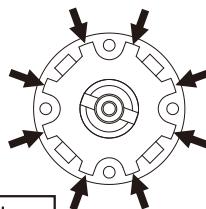
	X3-34 2.5x11.8mm Pin	.....x2
	J-03A P6 O-Ring	.....x2
	#267D 8x16x5mm Ball Bearing	.....x2
	SW 4x8x0.25 4x8x0.25mm Washer	.....x4
	#363 4mm Alum. Cross Pin	.....x2
	SF3x12mm Flat Head Hex Screw	.....x4



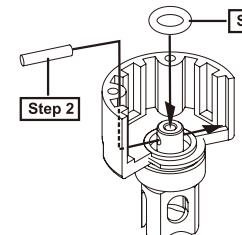
Step detail



Step detail

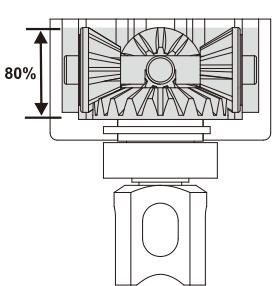


Instructions into the Pin as shown.



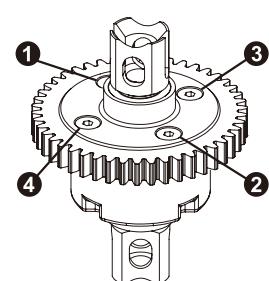
Step detail

Fill the diff oil just level with the top of the satellite gears.

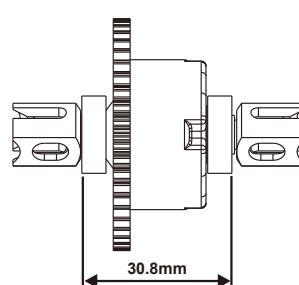


Step detail

Repeat tightening in this order



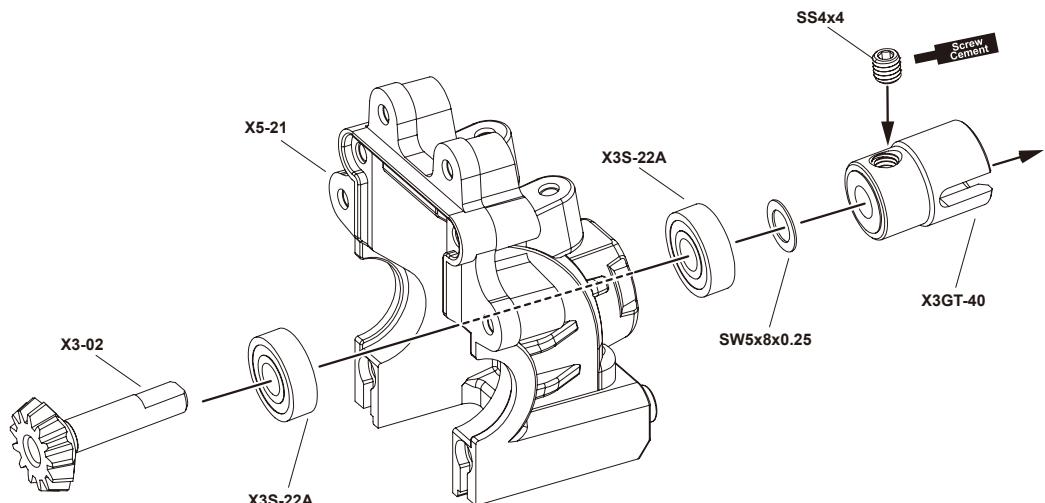
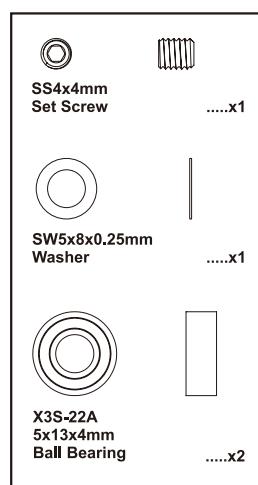
After assembly the differential should be 30.8mm measured from the ends of the installed ball-bearings. If differential is longer, hold the bevel gear and retighten the 4 screws.



3 ASSEMBLY OF THE FRONT GEAR CASE



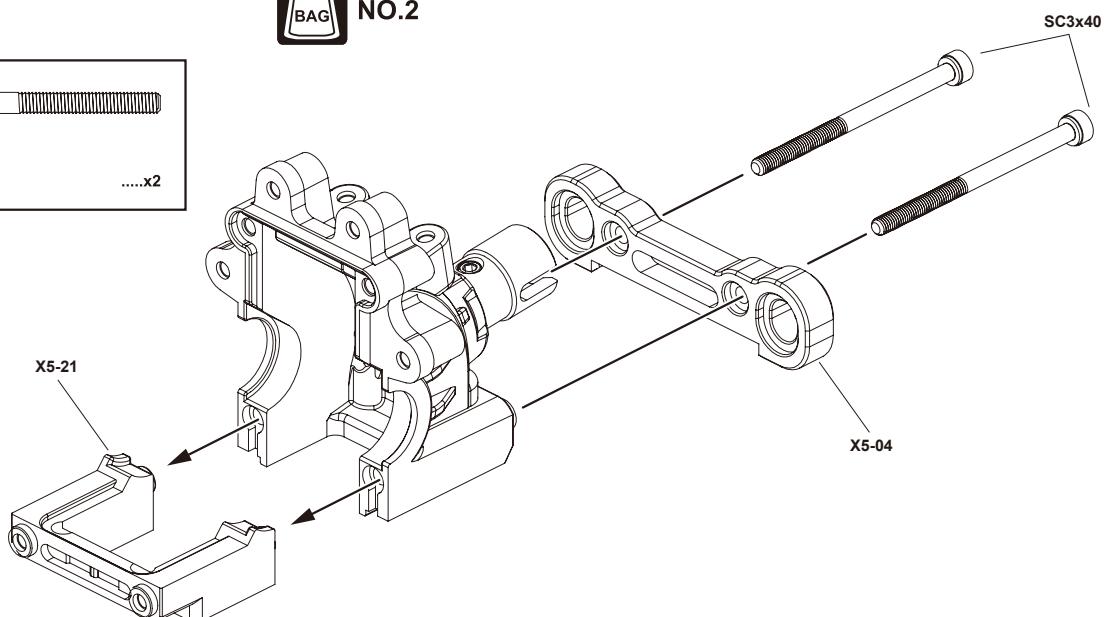
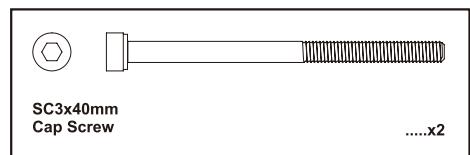
NO.2



4 ASSEMBLY OF THE FRONT GEAR CASE



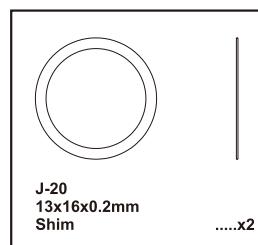
NO.2



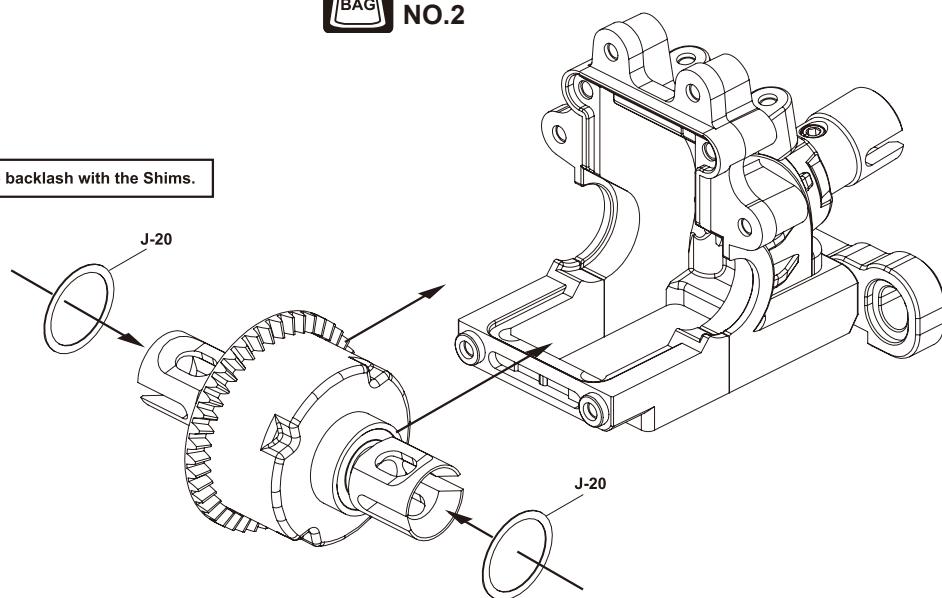
5 ASSEMBLY OF THE FRONT DIFFERENTIAL INTO GEAR CASE



NO.1
NO.2

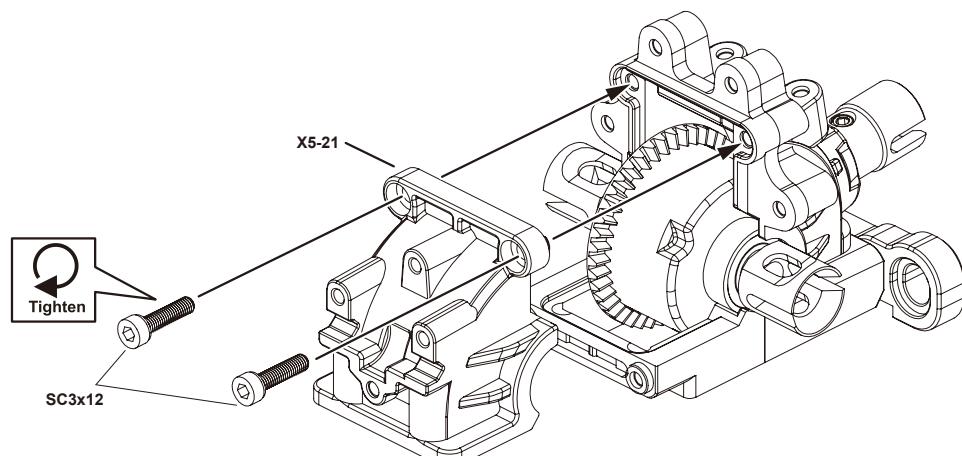


Adjust the backlash with the Shims.

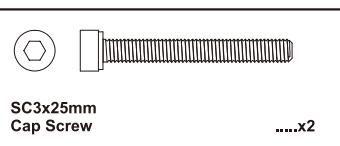
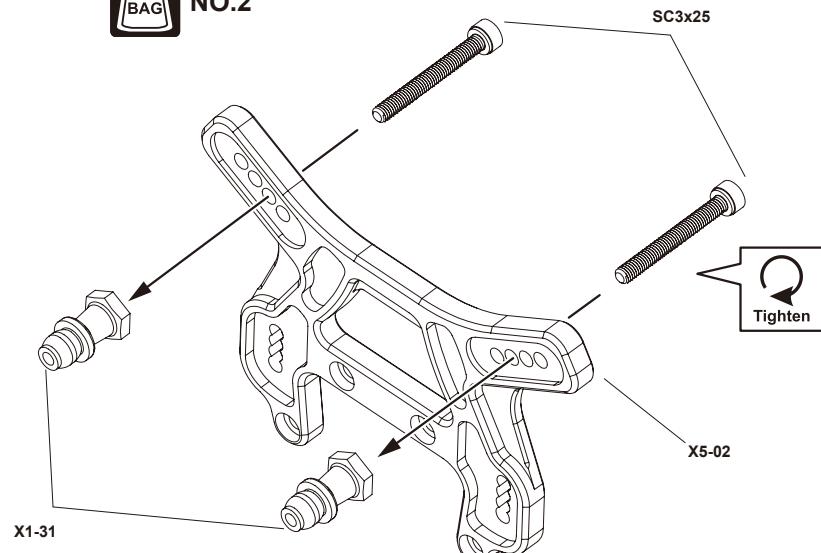


6 ASSEMBLY OF THE FRONT GEAR CASE COVER

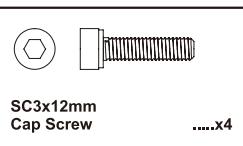
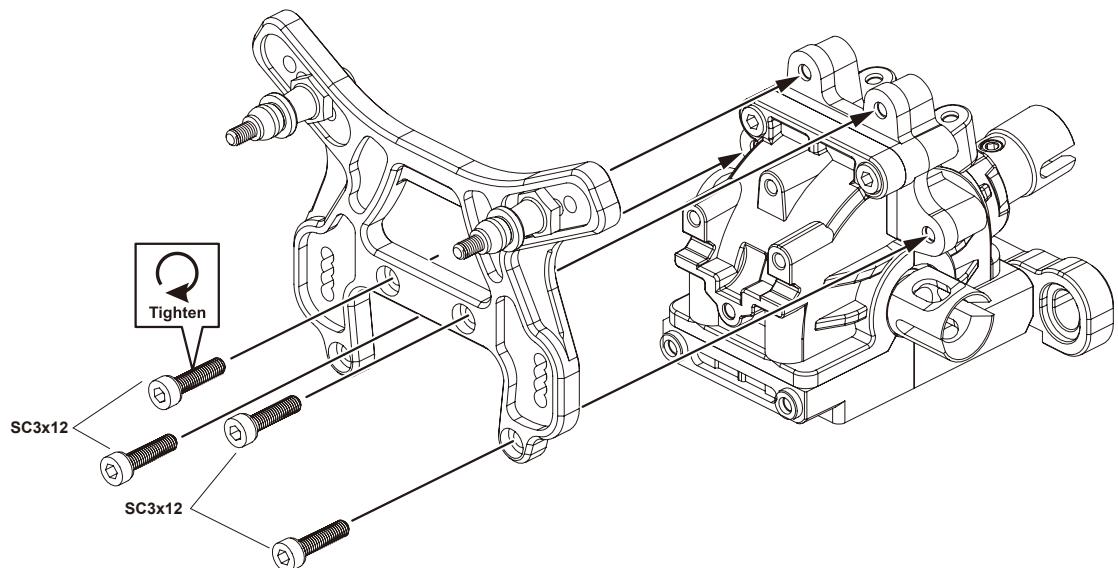
NO.2

**7 ASSEMBLY OF THE FRONT SHOCK STAY**

NO.2

**8 ASSEMBLY OF THE FRONT SHOCK STAY ONTO GEAR CASE**

NO.2



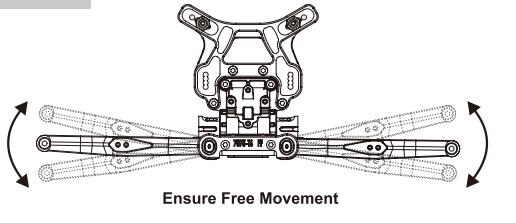
9 ASSEMBLY OF THE FRONT LOWER ARMS



NO.2

Assemble both right and left sides.

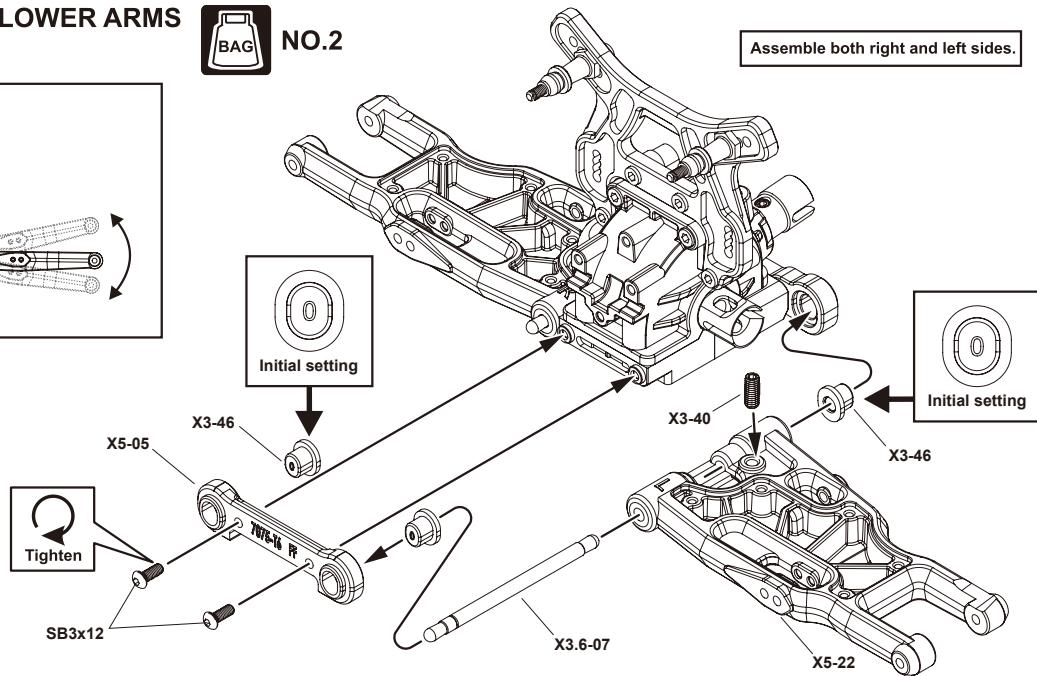
Step detail



SB3x12mm Hex Screwx2



X3-40 4x10mm Round Head Set Screwx2

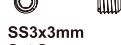
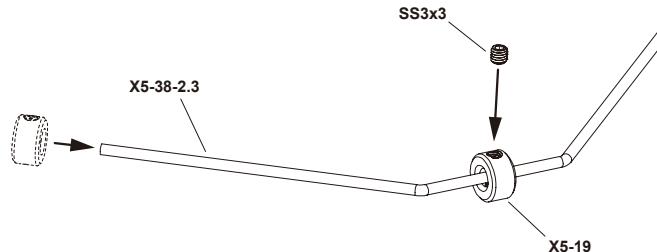


10 ASSEMBLY OF THE FRONT STABILIZER ROD



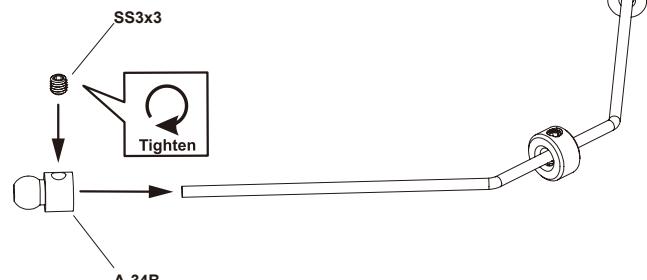
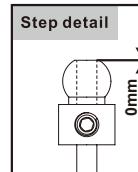
NO.2

Step 1



SS3x3mm Set Screwx3

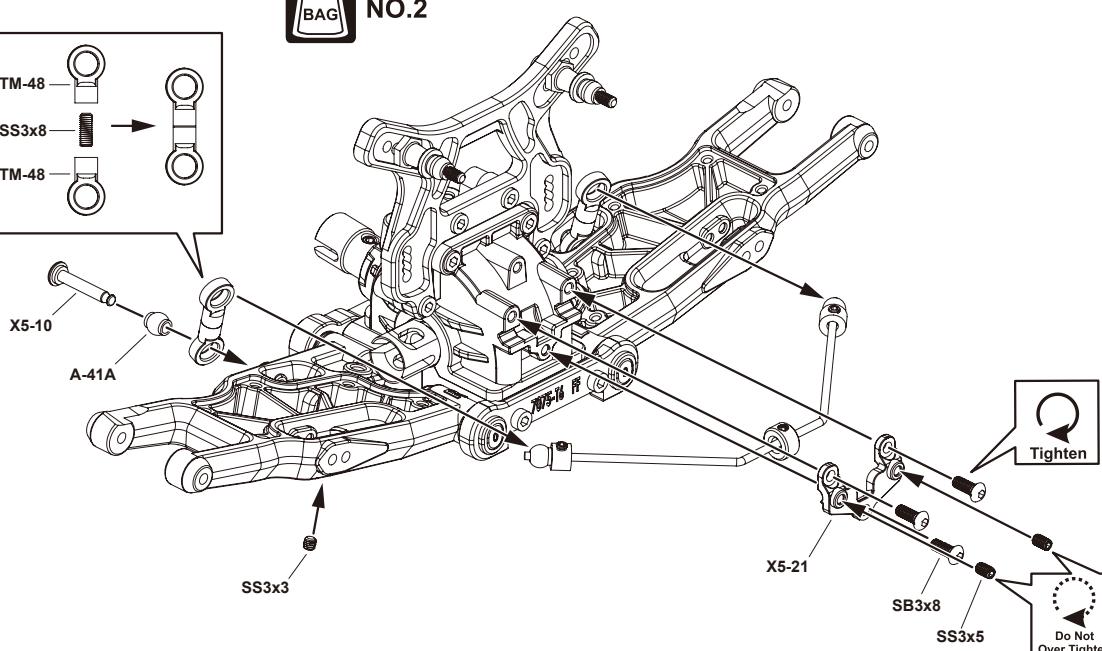
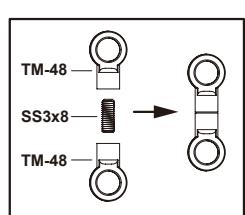
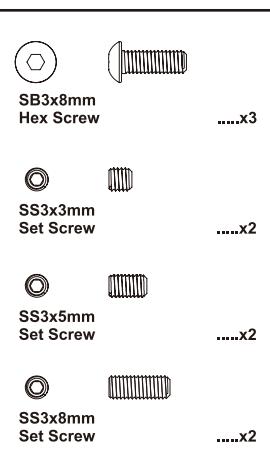
Step 2



11 ASSEMBLY OF THE FRONT STABILIZER ROD



NO.2



12 ADJUSTABLE CASTER SET



NO.2

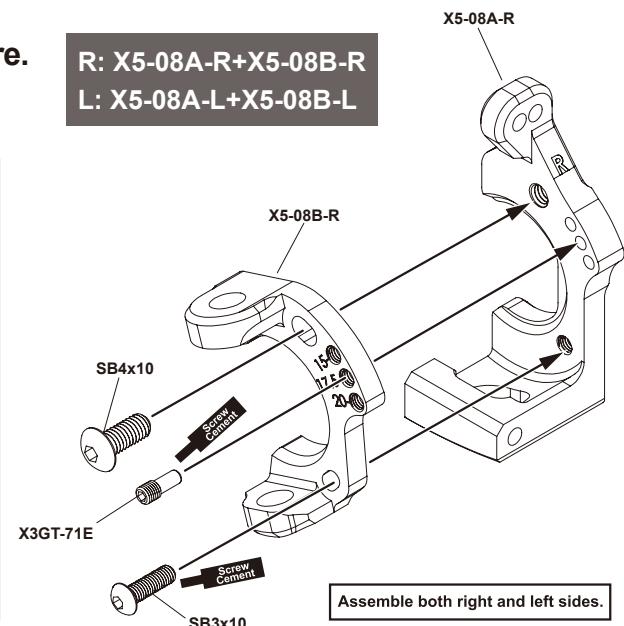
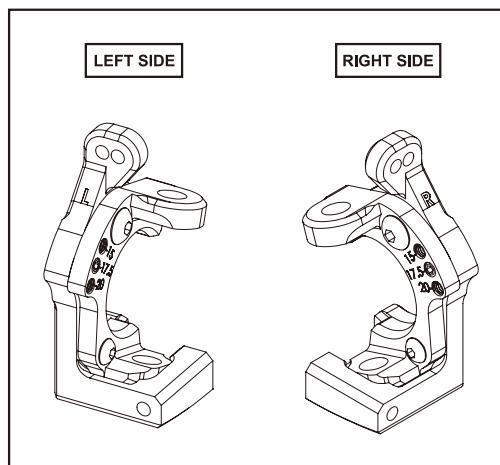
Adjustable Caster Set installation, as shown in the figure.

(Take 17.5-degree caster angle on the right side as an example)

R: X5-08A-R+X5-08B-R

L: X5-08A-L+X5-08B-L

	SB4x10 Hex Screw	.....x2
	SB3x10 Hex Screw	.....x2



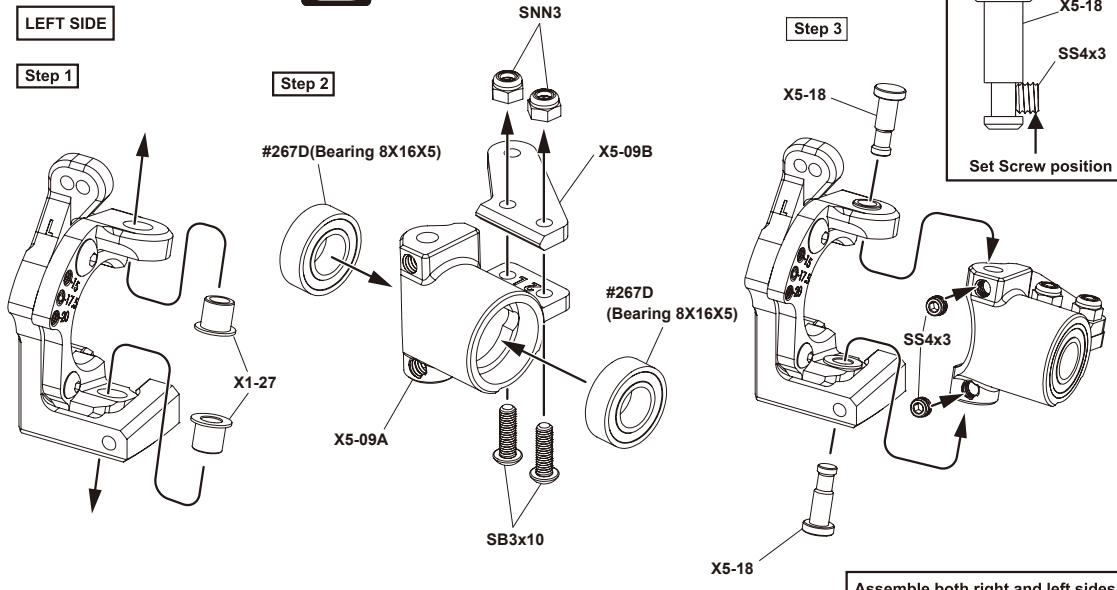
Assemble both right and left sides.

13 ASSEMBLY OF THE FRONT KNUCKLE ARMS



NO.2

	SS4x3 Set Screw	.....x4
	3mm Nylon Nut	.....x4
	SB3x10 Hex Screw	.....x4
	#267D 8x16x5mm Ball Bearing	.....x4



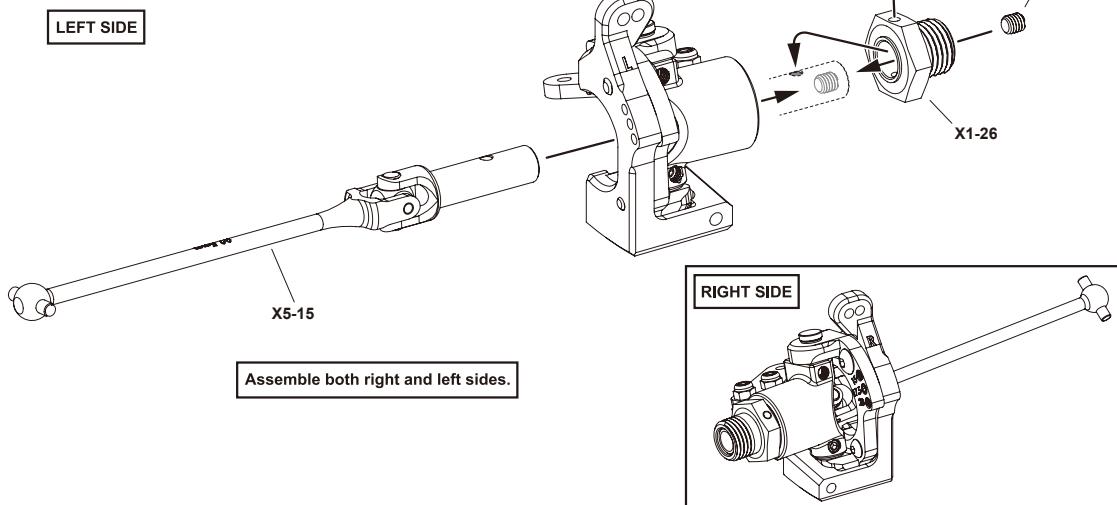
Assemble both right and left sides.

14 ASSEMBLY OF THE FRONT CVD INTO KNUCKLE ARMS



NO.2

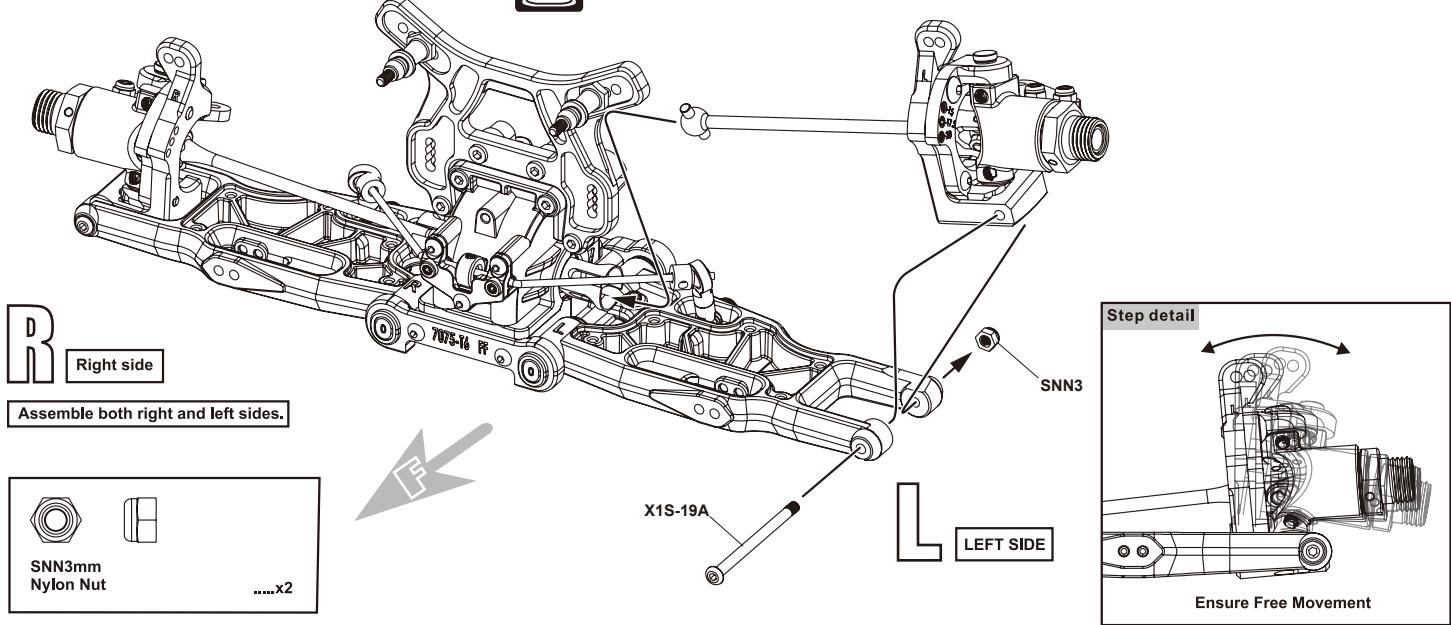
	SS4x4mm Set Screw	.....x1
	#267E 2.5x16.8mm Pin	



15 ASSEMBLY OF THE KNUCKLE ARMS ONTO FRONT LOWER ARMS



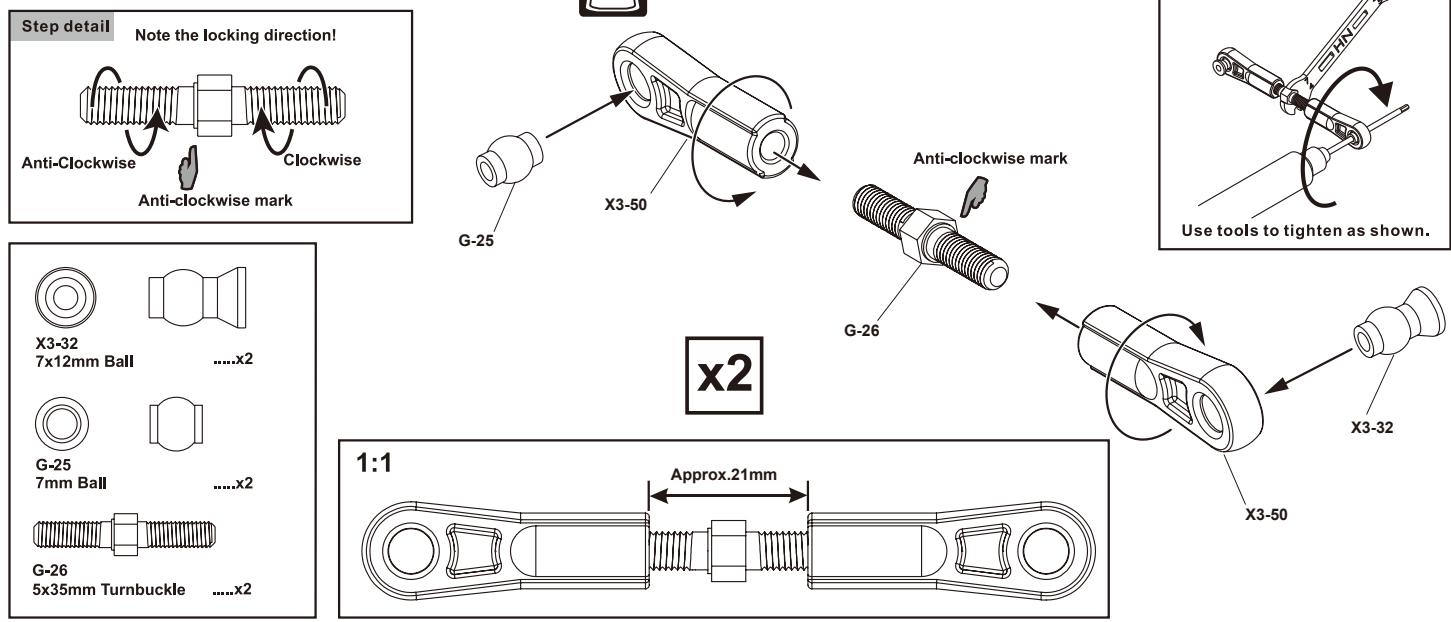
NO.2



16 ASSEMBLY OF THE FRONT UPPER ARMS



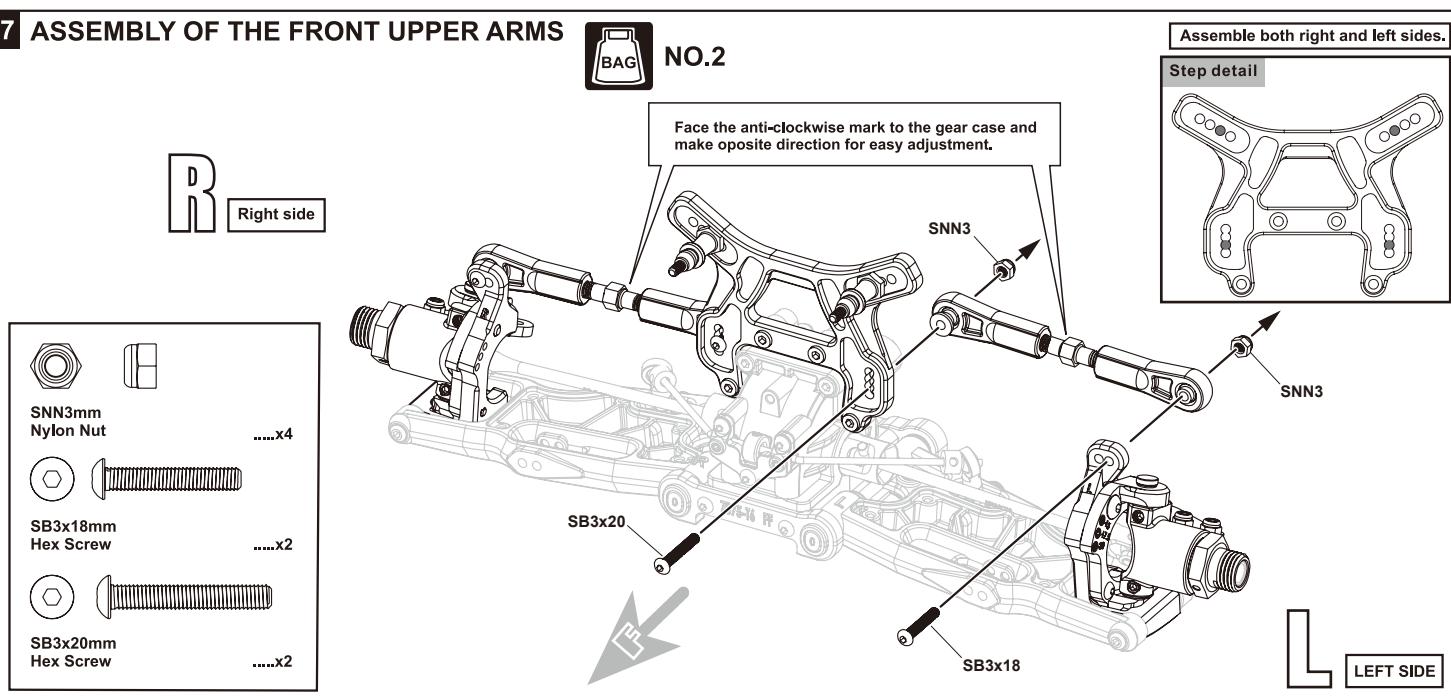
NO.2



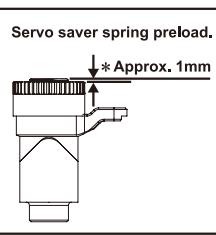
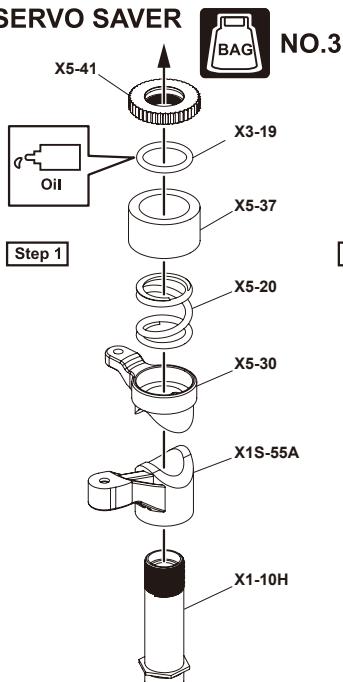
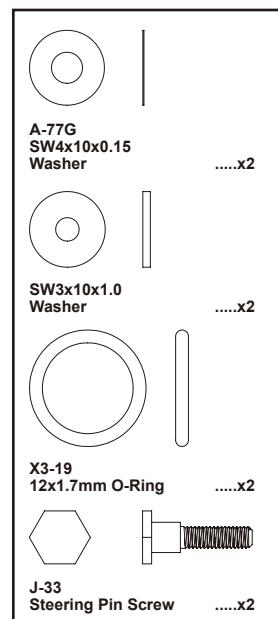
17 ASSEMBLY OF THE FRONT UPPER ARMS



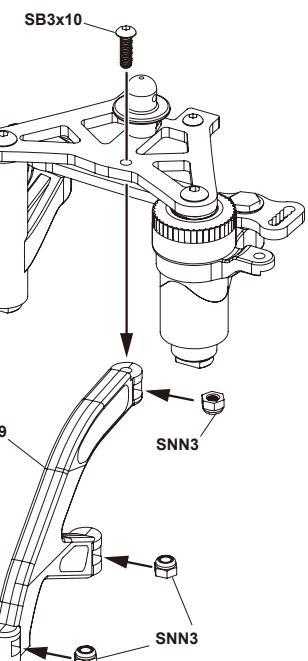
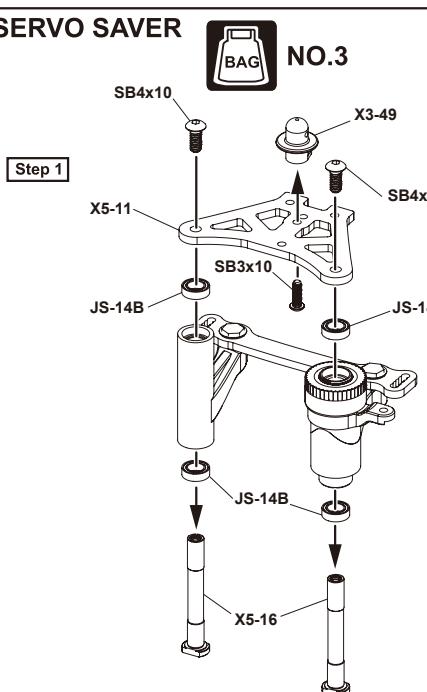
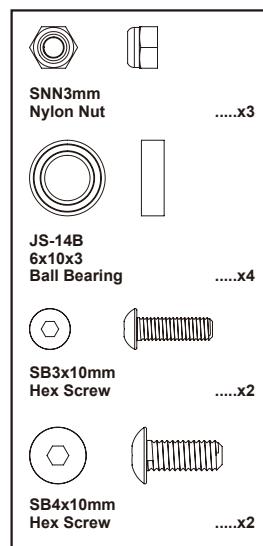
NO.2



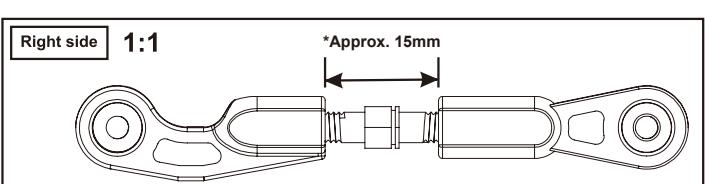
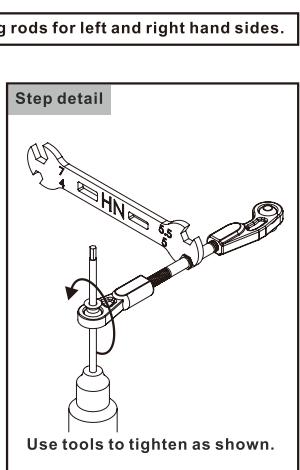
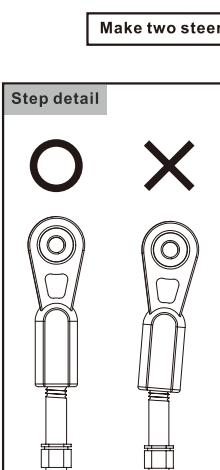
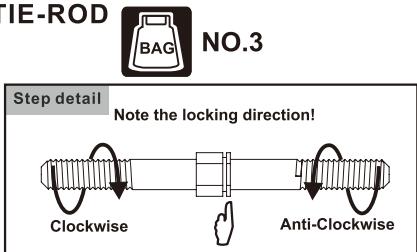
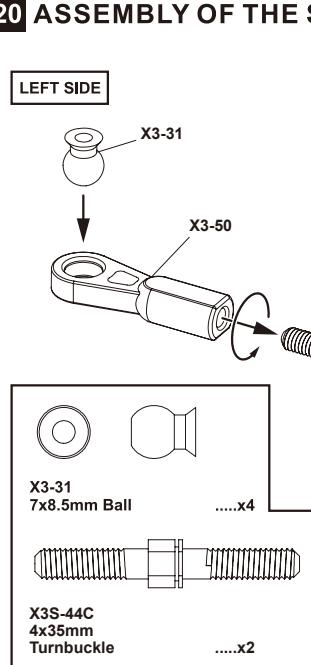
18 ASSEMBLY OF THE SERVO SAVER



19 ASSEMBLY OF THE SERVO SAVER



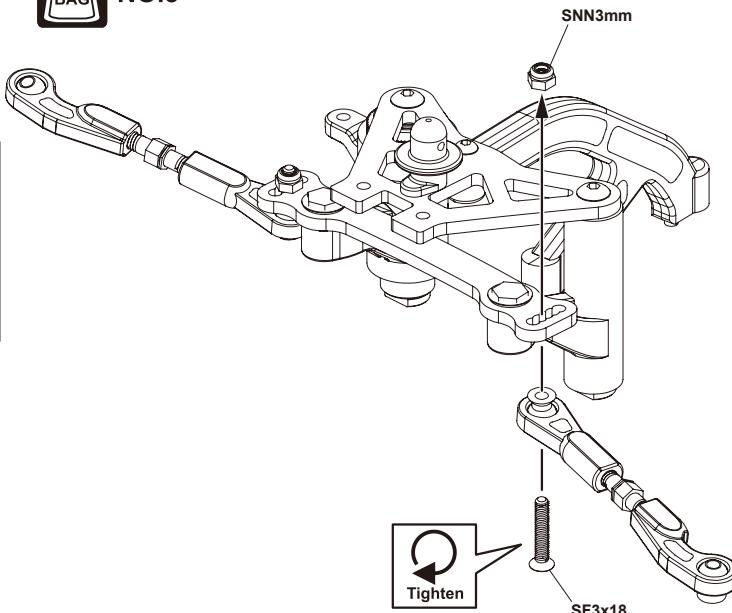
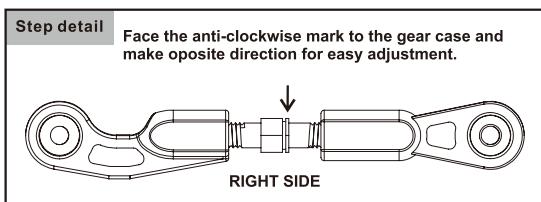
20 ASSEMBLY OF THE STEERING TIE-ROD



21 ASSEMBLY OF THE STEERING TIE-ROD



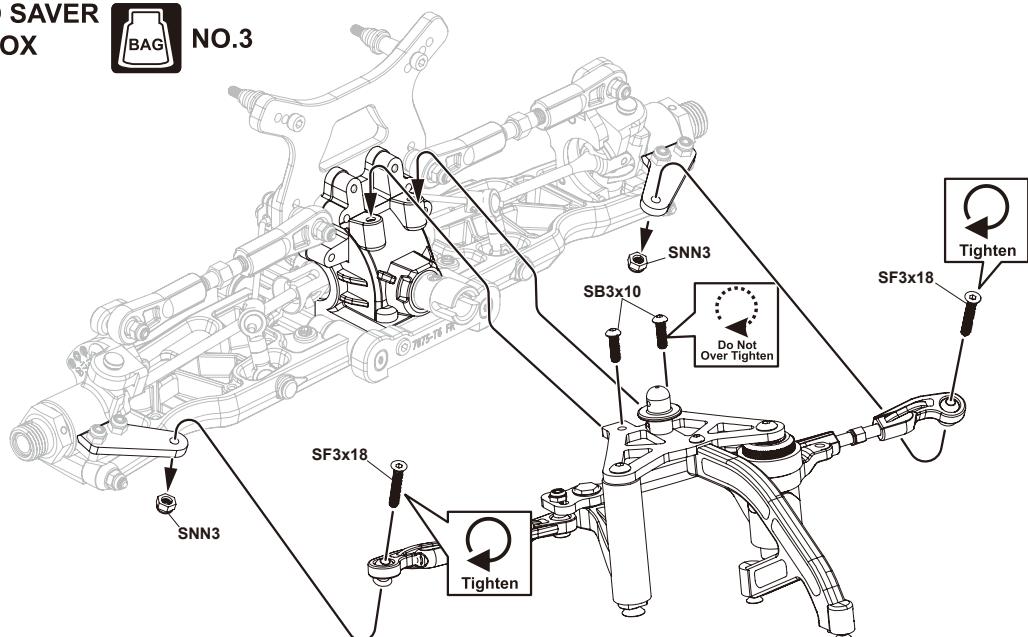
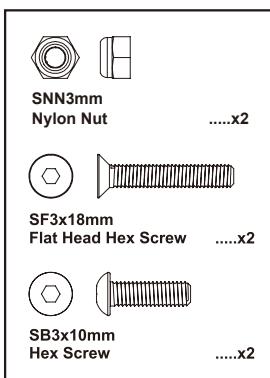
NO.3



22 ASSEMBLY OF THE SERVO SAVER ONTO THE FRONT GEAR BOX



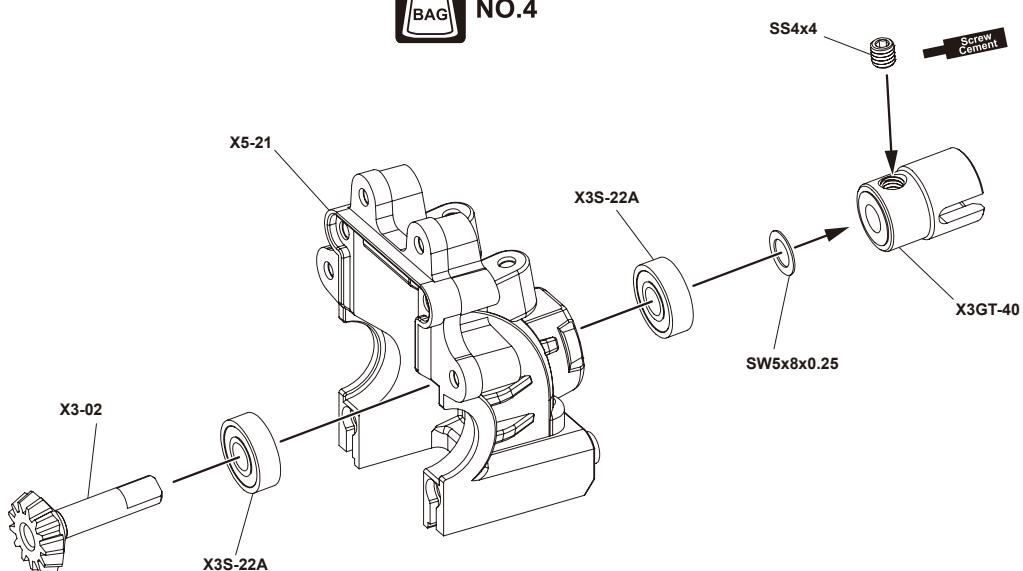
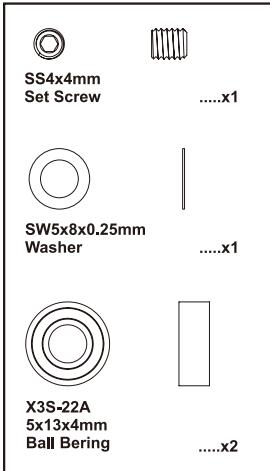
NO.3



23 ASSEMBLY OF THE REAR PINION GEAR AND CVD SHAFT

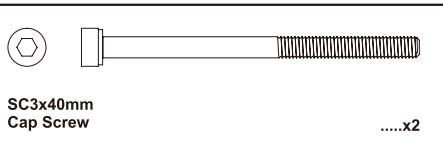
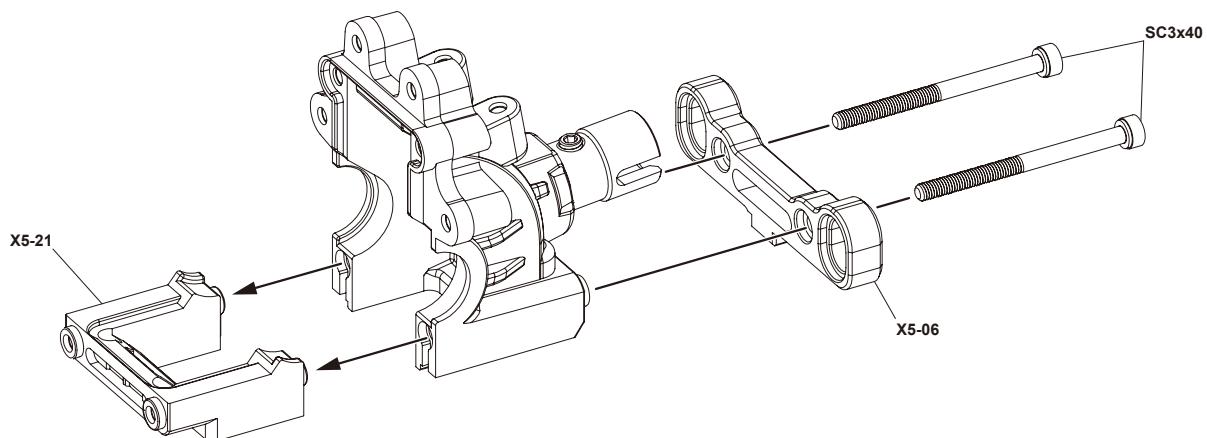


NO.4

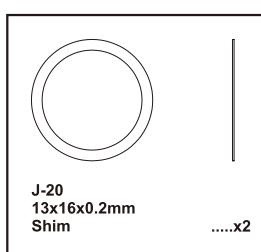
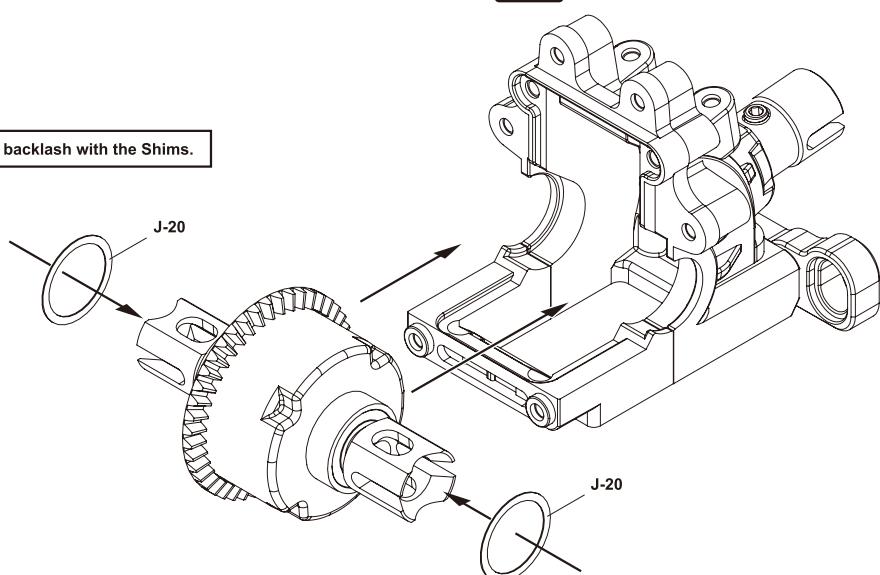


24 ASSEMBLY OF THE REAR GEAR CASE

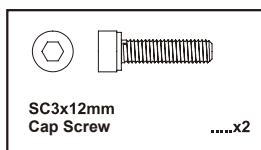
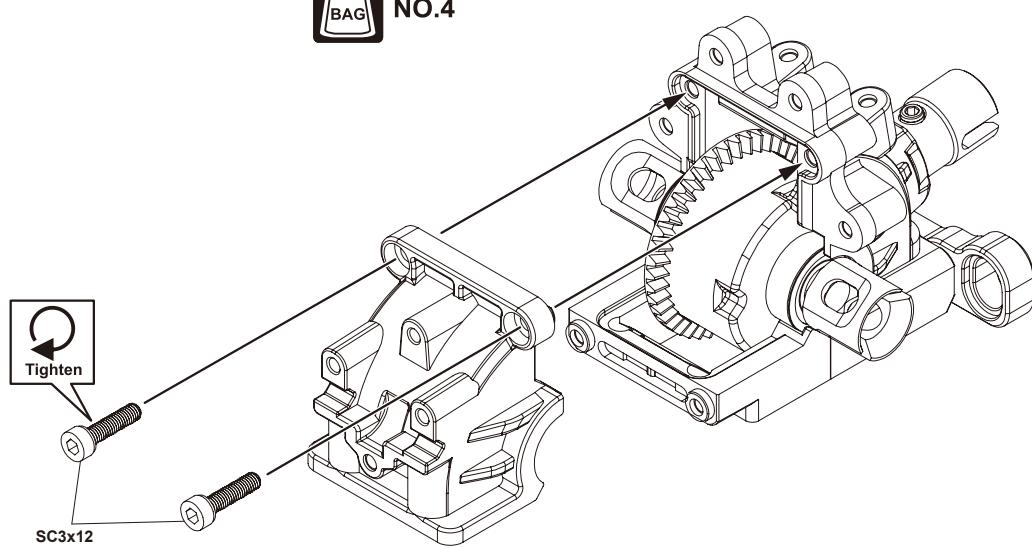
NO.4

**25 ASSEMBLY OF THE REAR DIFFERENTIAL ONTO GEAR CASE**NO.4
NO.1

Adjust the backlash with the Shims.

**26 ASSEMBLY OF THE REAR GEAR CASE COVER**

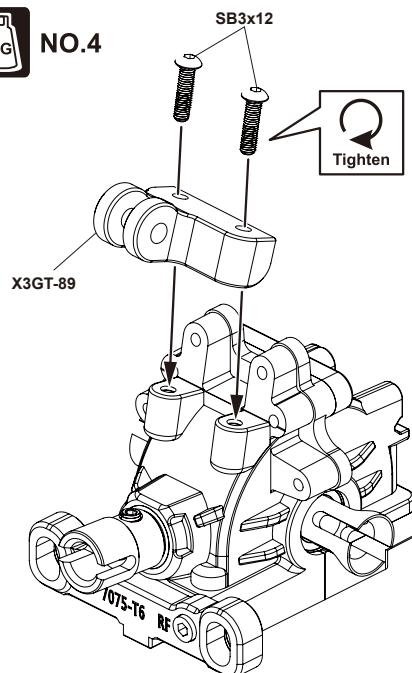
NO.4



27 ASSEMBLY OF THE REAR BRACE MOUNT



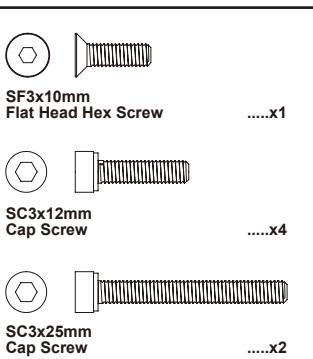
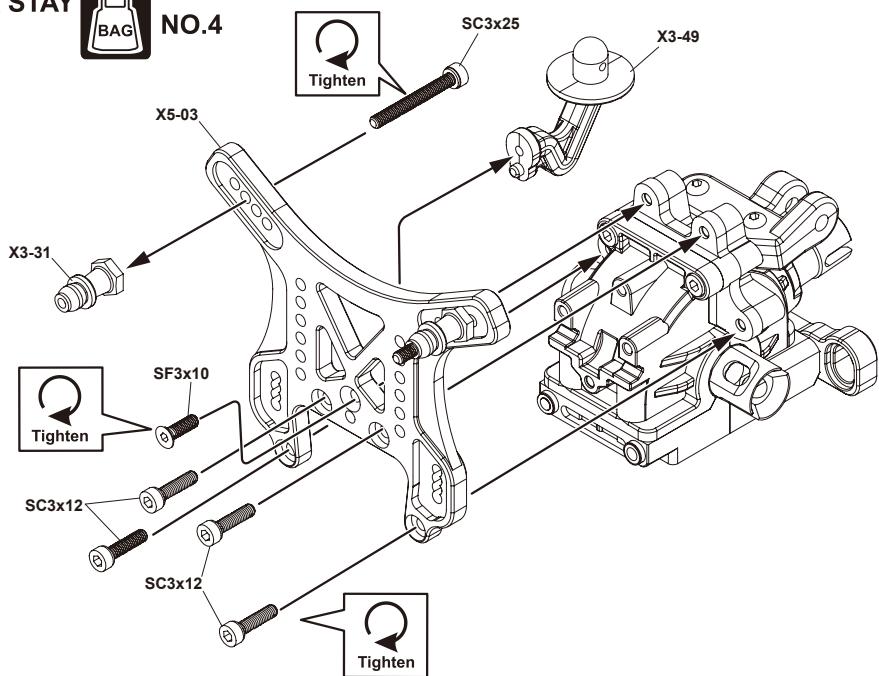
NO.4



28 ASSEMBLY OF THE REAR SHOCK STAY ONTO REAR GEAR CASE



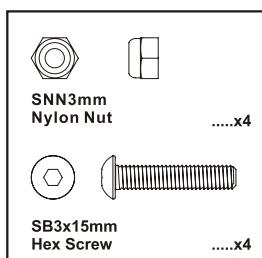
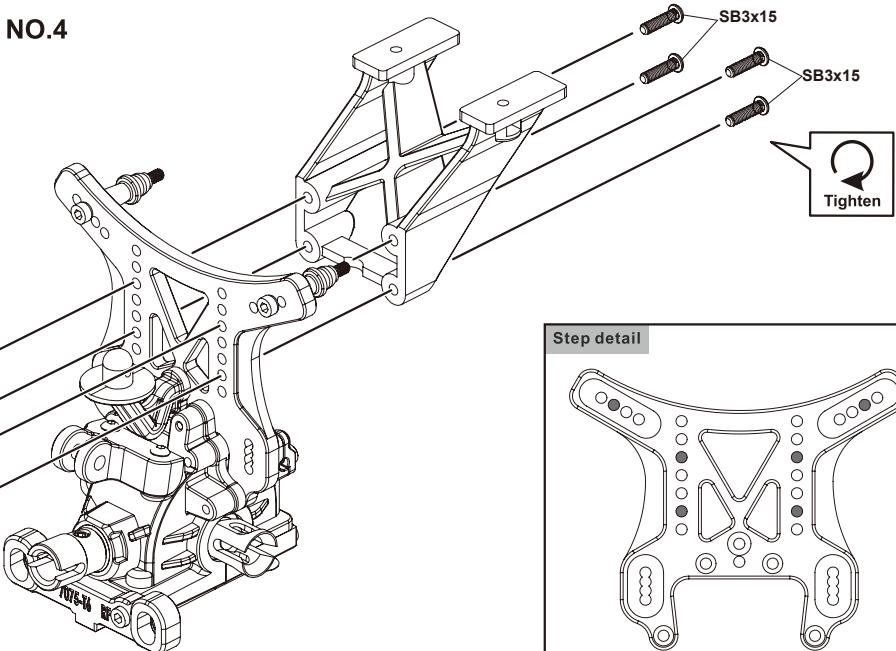
NO.4



29 ASSEMBLY OF THE WING STAY

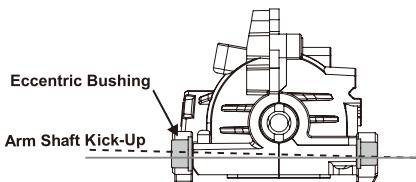


NO.4



30 REAR KICK-UP (RF) & REAR TOE-IN (RR) SETTING

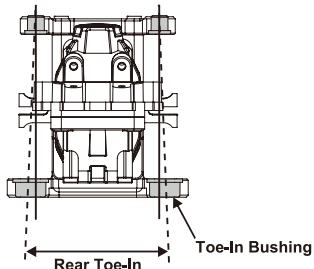
REAR KICK-UP SETTING



Rear Kick-Up	Characteristics
Less Rear Kick-Up	<ul style="list-style-type: none"> Absorb road shock less. Applicable flat surface.
More Rear Kick-Up	<ul style="list-style-type: none"> Absorb road shock more. Applicable uneven surface.

RF	Rear Kick-Up
3.3	2.8°
3	2.5°
2.5	2°
2	1.5°
2 (Reverse)	1°
2.5 (Reverse)	0.5°
3 (Reverse)	0°

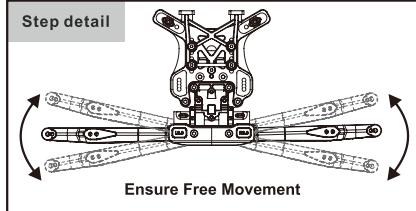
REAR TOE-IN SETTING



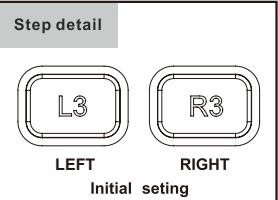
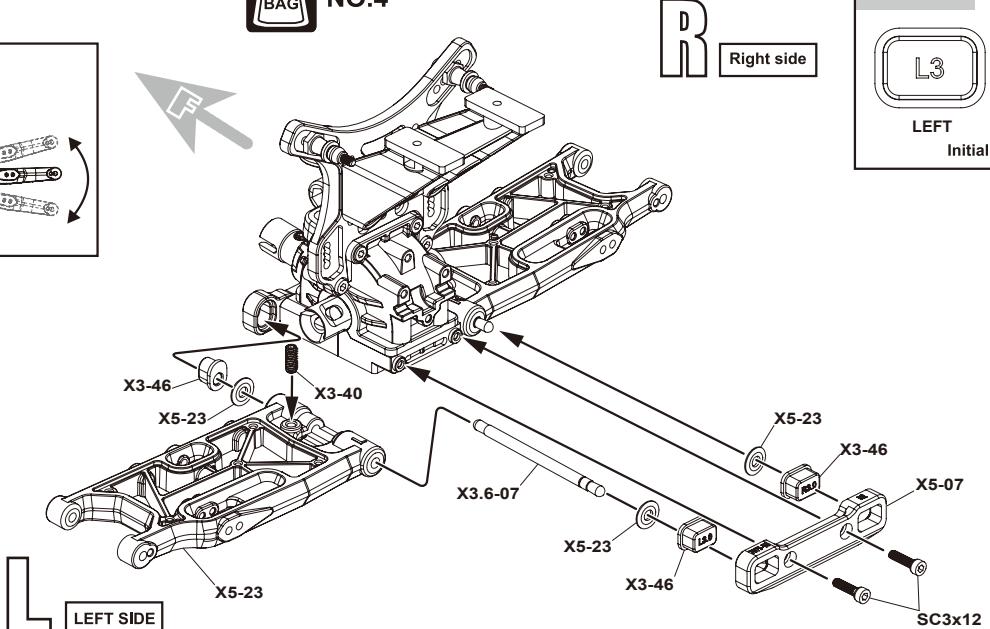
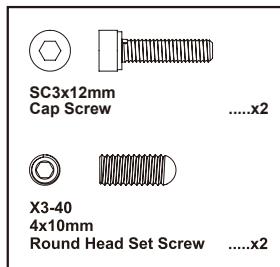
Rear Toe-In	Characteristics
Less Rear Toe-In	<ul style="list-style-type: none"> Reduced Grip. Oversteer tendency. Linear acceleration over the instability.
More Rear Toe-In	<ul style="list-style-type: none"> Increased grip. Understeer tendencies. Linear acceleration than the stability.

RR	Rear Toe-In
L3.5 R3.5	3.5°
L3.3 R3.3	3.3°
L3 R3	3°
L2.5 R2.5	2.5°
L2 R2	2°

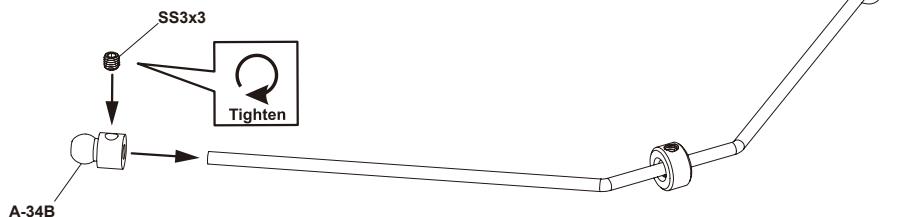
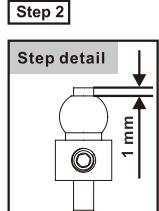
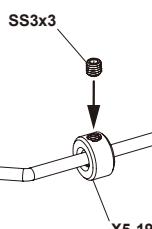
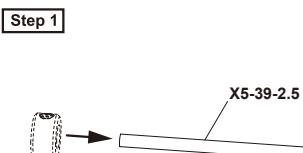
31 ASSEMBLY OF THE REAR LOWER ARMS



Assemble both right and left side.

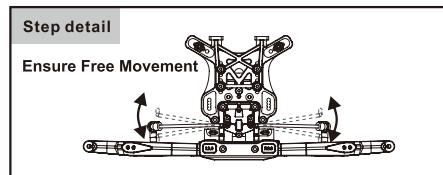


32 ASSEMBLY OF THE REAR STABILIZER ROD

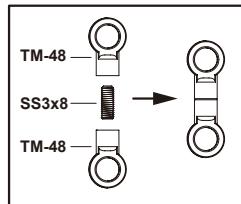


33 ASSEMBLY OF THE REAR STABILIZER

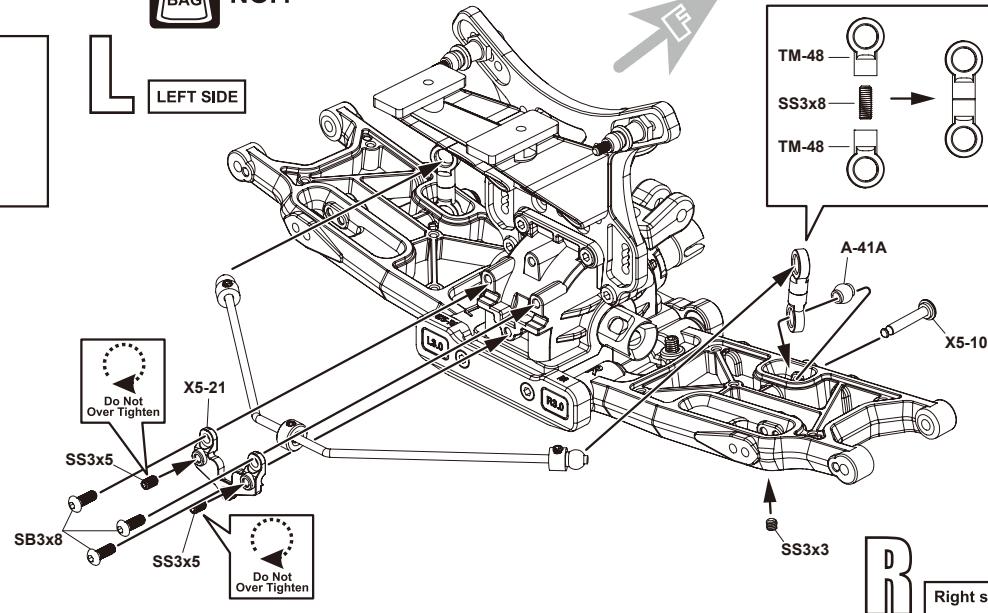
NO.4



L LEFT SIDE



	SB3x8mm Hex Screw	.....x3
	SS3x3mm Set Screw	.....x2
	SS3x5mm Set Screw	.....x2
	SS3x8mm Set Screw	.....x2



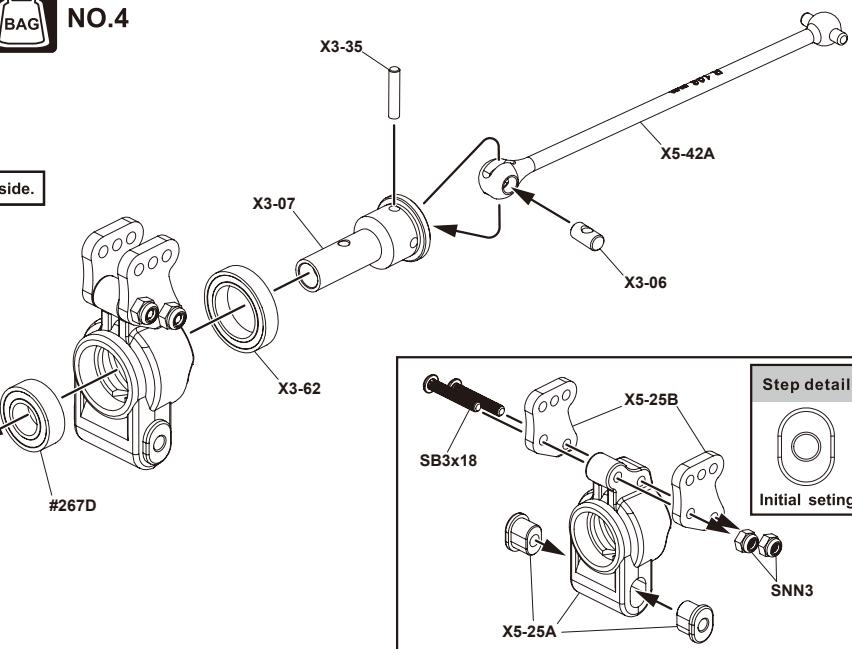
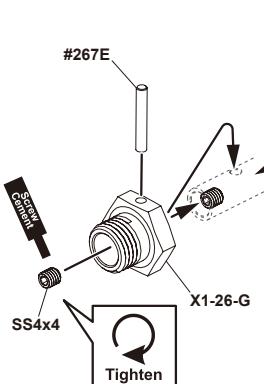
R Right side

34 ASSEMBLY OF THE REAR WHEEL HUBS

NO.4

	SNN3mm Nylon Nut	.....x4
	SB3x18mm Hex Screw	.....x4
	X3-35 2.5x12.8mm Pin	.....x2
	#267E 2.5x16.8mm Pin	.....x2
	4x4mm Set Screw	.....x2

Assemble both right and left side.

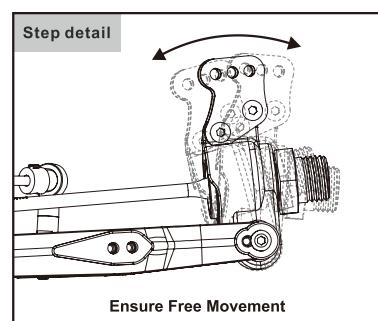


Step detail

Initial setting

35 ASSEMBLY OF THE REAR SUSPENSION ARMS

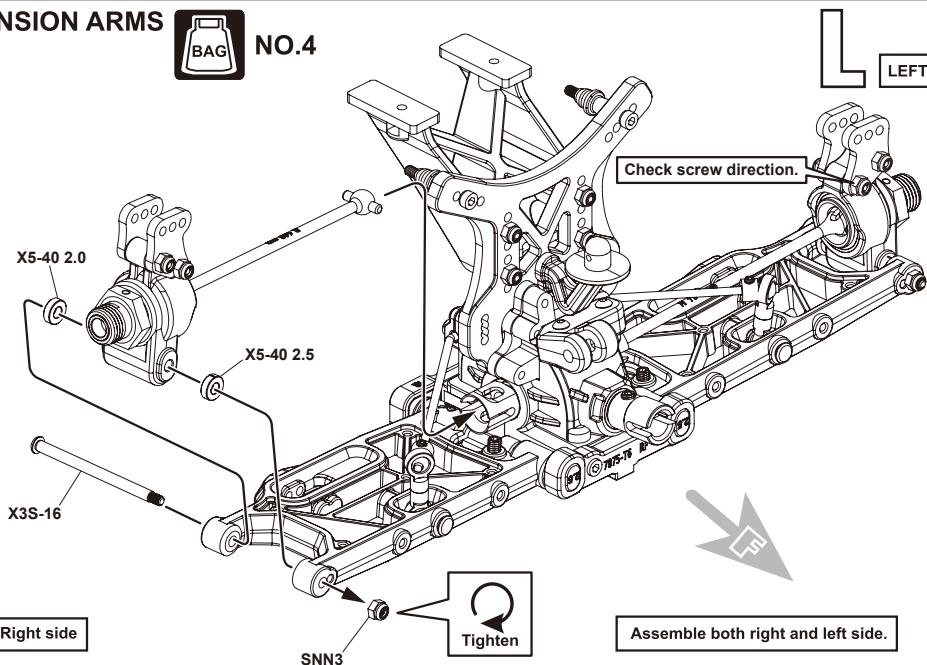
NO.4



L LEFT SIDE

	SNN3mm Nylon Nutx2
--	------------------	---------

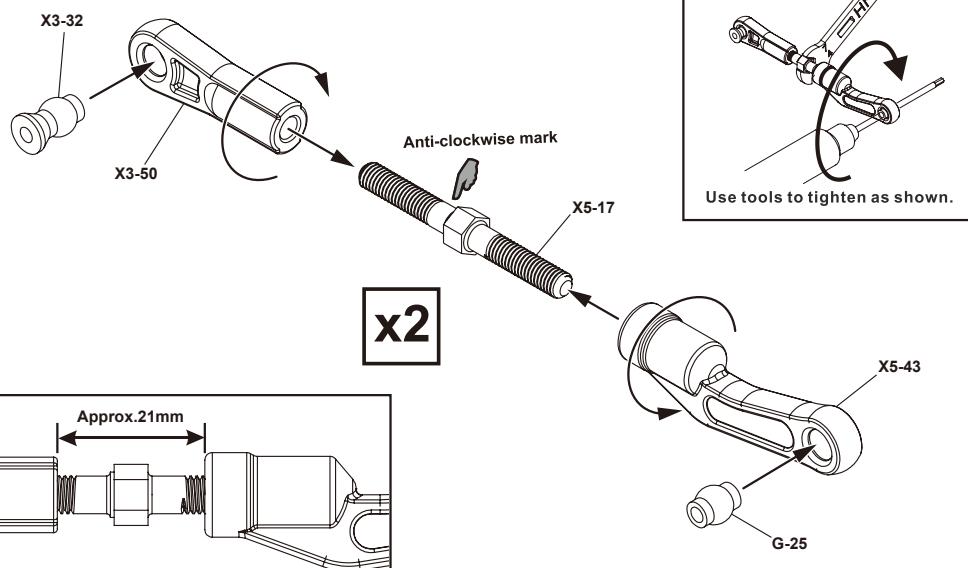
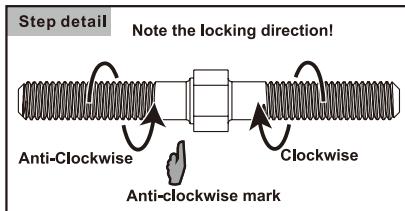
R Right side



36 ASSEMBLY OF THE REAR UPPER ARMS



NO.4



	.....x2
	.....x2
	.....x2

37 ASSEMBLY OF THE REAR UPPER ARMS

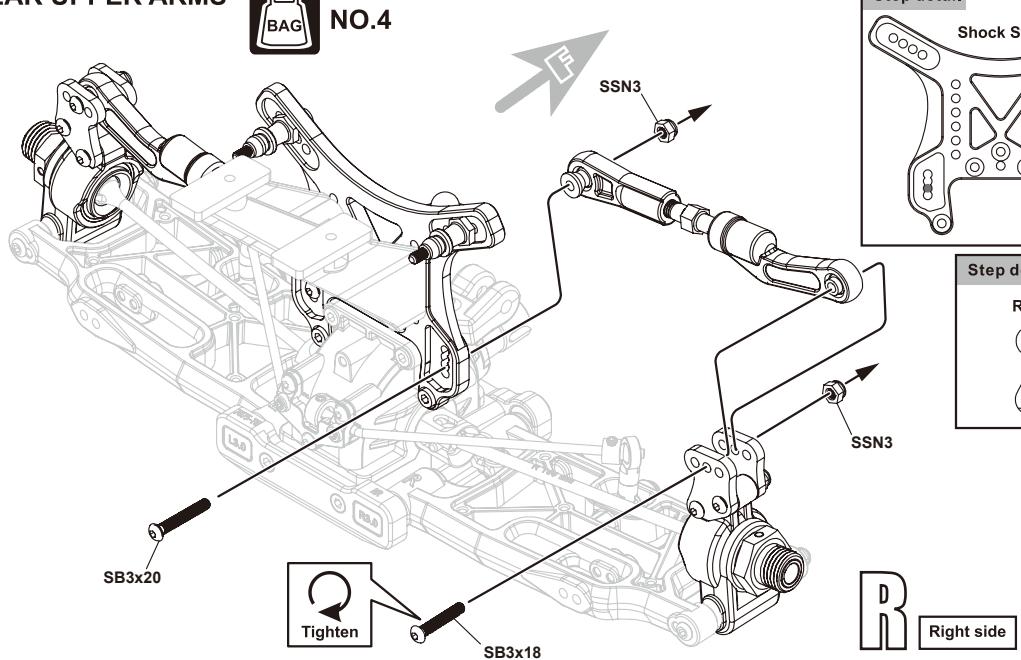


NO.4

L LEFT SIDE

Assemble both right and left side.

	.....x4
	.....x2
	.....x2



38 ASSEMBLY OF THE REAR MUD DEFLECTOR

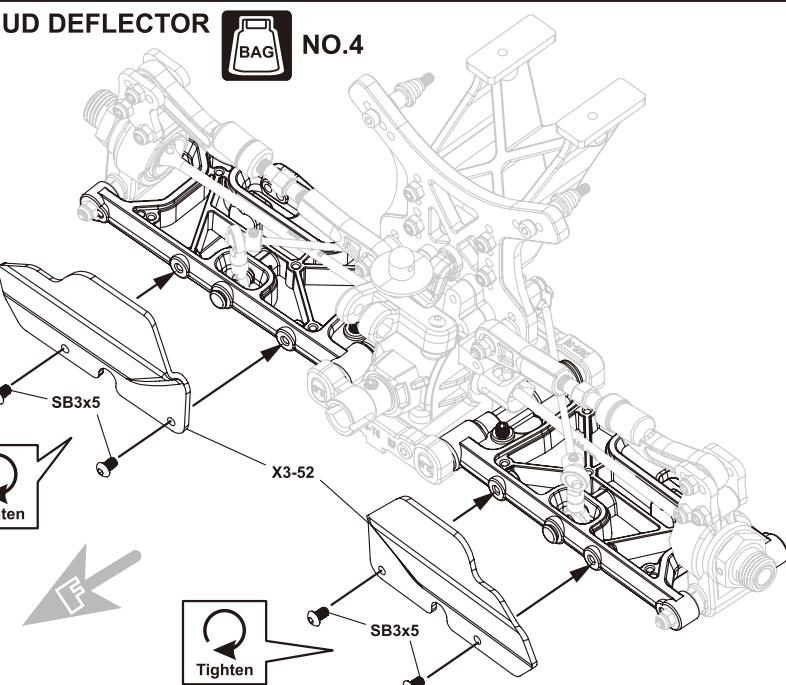


NO.4

R Right side

Assemble both right and left side.

x4
--	---------



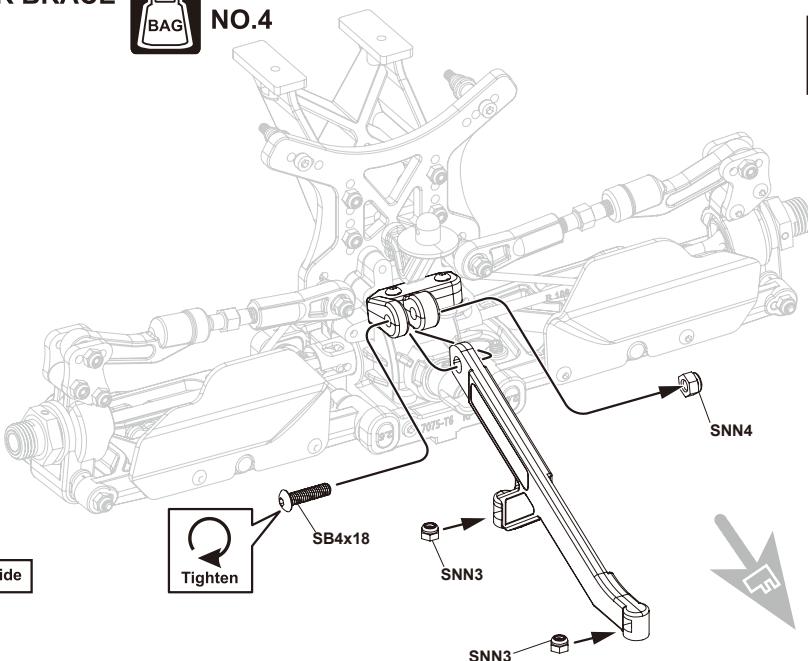
39 ASSEMBLY OF THE REAR CENTER BRACE



NO.4

L
LEFT SIDE

	SNN3mm Nylon Nut	.....x2
	SNN4mm Nylon Nut	.....x1
	SB4x18mm Hex Screw	.....x1

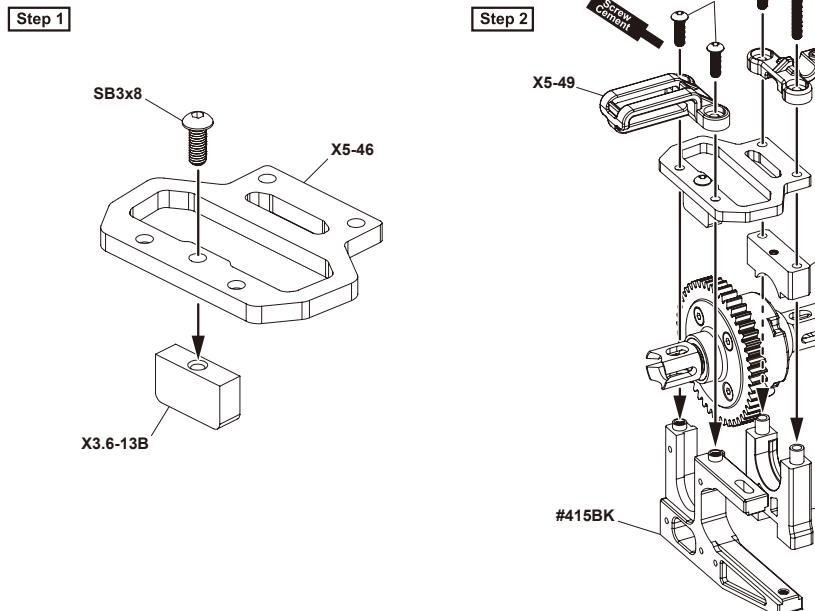


40 ASSEMBLY OF THE TOP CENTER DIFF MOUNT



NO.5

	SB3x8mm Hex Screw	.....x1
	SB3x10mm Hex Screw	.....x2
	SB3x25mm Hex Screw	.....x2

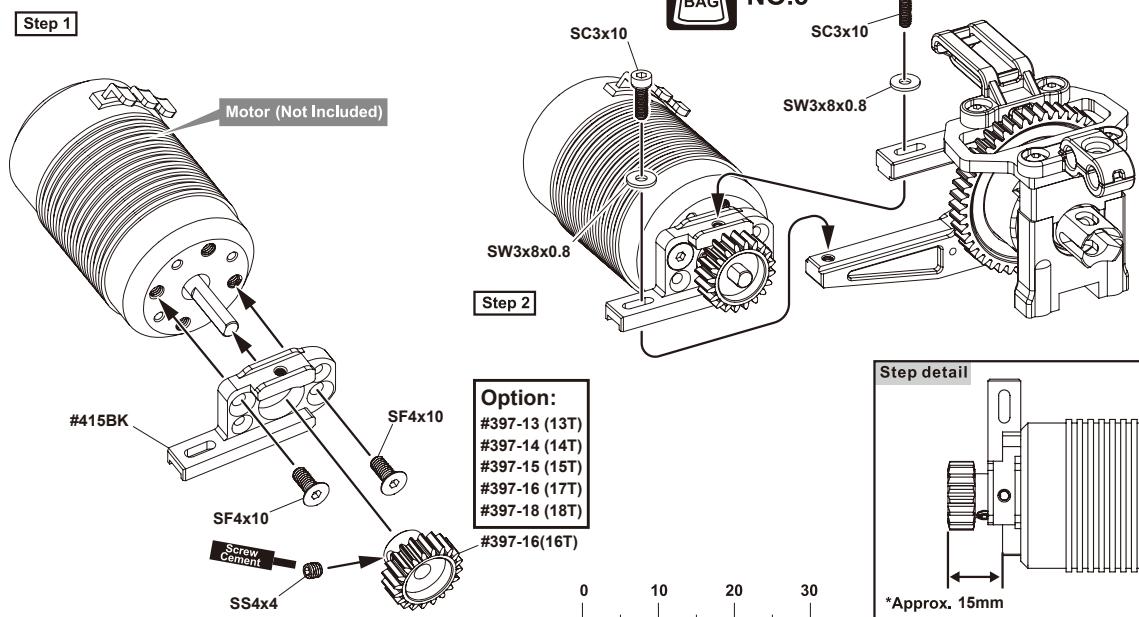


41 ASSEMBLY OF THE BOTTOM CENTER DIFF MOUNT & THE SPUR GEAR



NO.5

	SF4x10mm Flat Head Hex Screw	.....x2
	SS4x4mm Set Screw	.....x1
	SC3x10mm Cap Screw	.....x2
	SW3x8x0.8mm Washer	.....x2

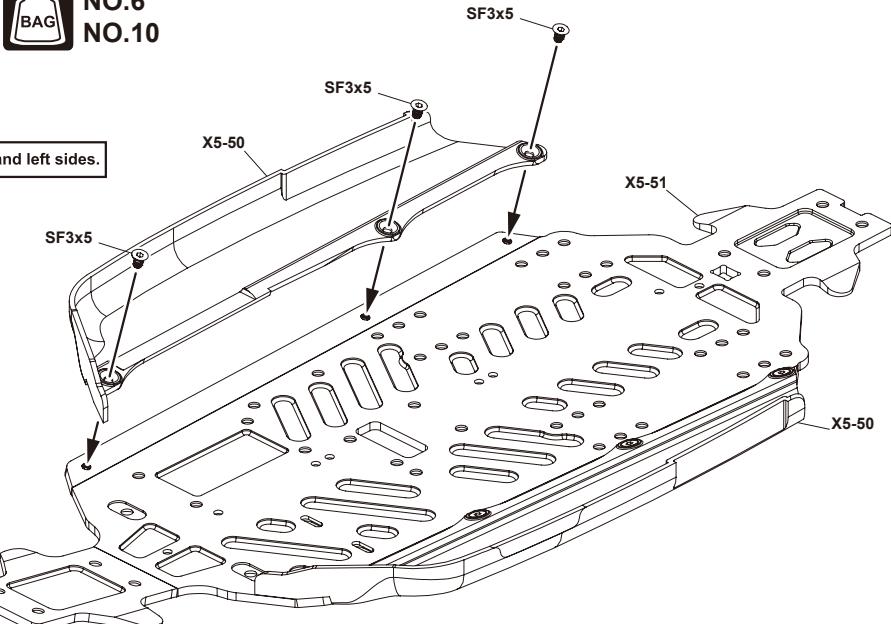


42 ASSEMBLY OF THE SIDE GUARD



NO.6
NO.10

Assemble both right and left sides.



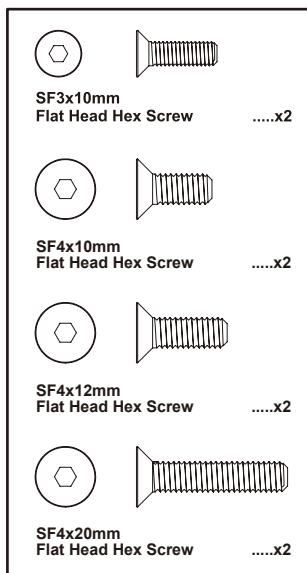
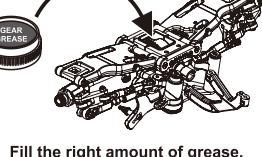
SF3x5mm
Flat Head Hex Screwx7

43 ASSEMBLY OF THE FRONT GEAR CASE ONTO CHASSIS



NO.2
NO.10

Step detail

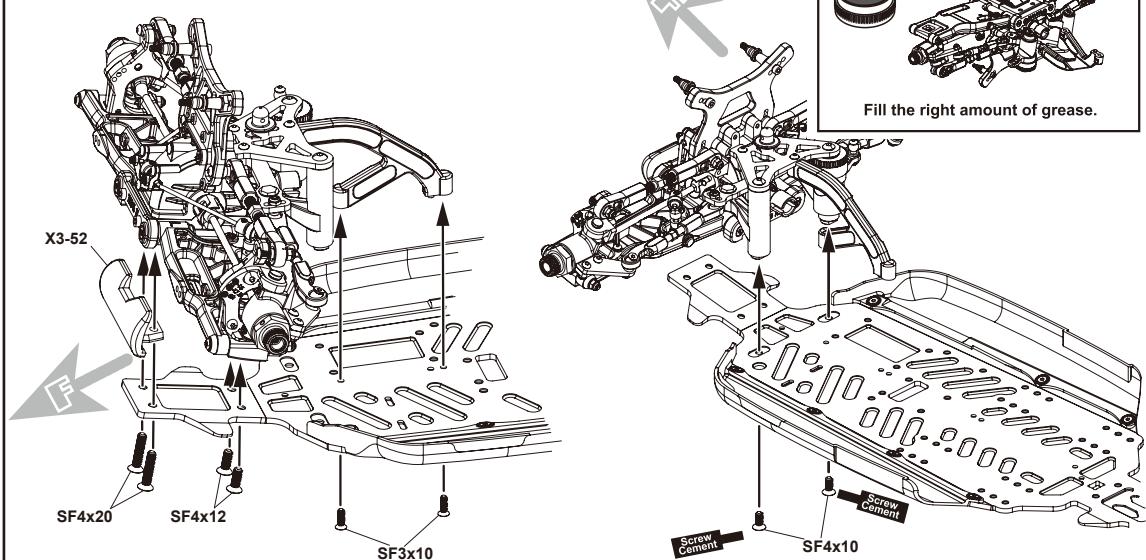


SF3x10mm
Flat Head Hex Screwx2

SF4x10mm
Flat Head Hex Screwx2

SF4x12mm
Flat Head Hex Screwx2

SF4x20mm
Flat Head Hex Screwx2

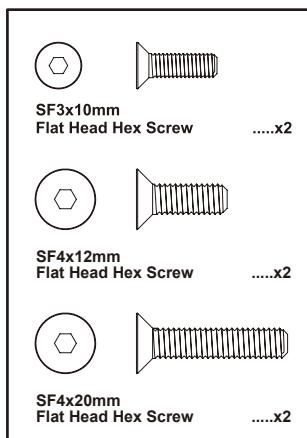
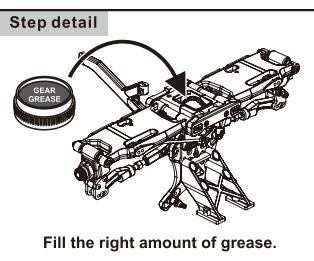


44 ASSEMBLY OF THE REAR GEAR CASE ONTO CHASSIS



NO.4
NO.10

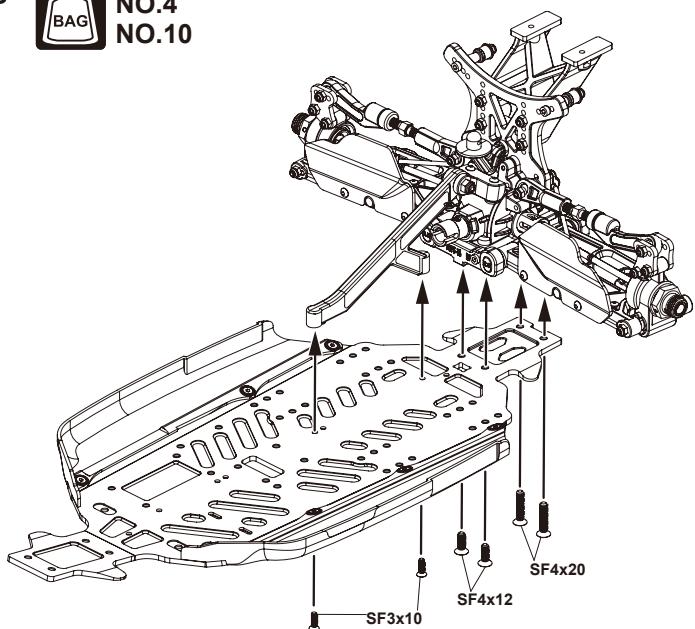
Step detail



SF3x10mm
Flat Head Hex Screwx2

SF4x12mm
Flat Head Hex Screwx2

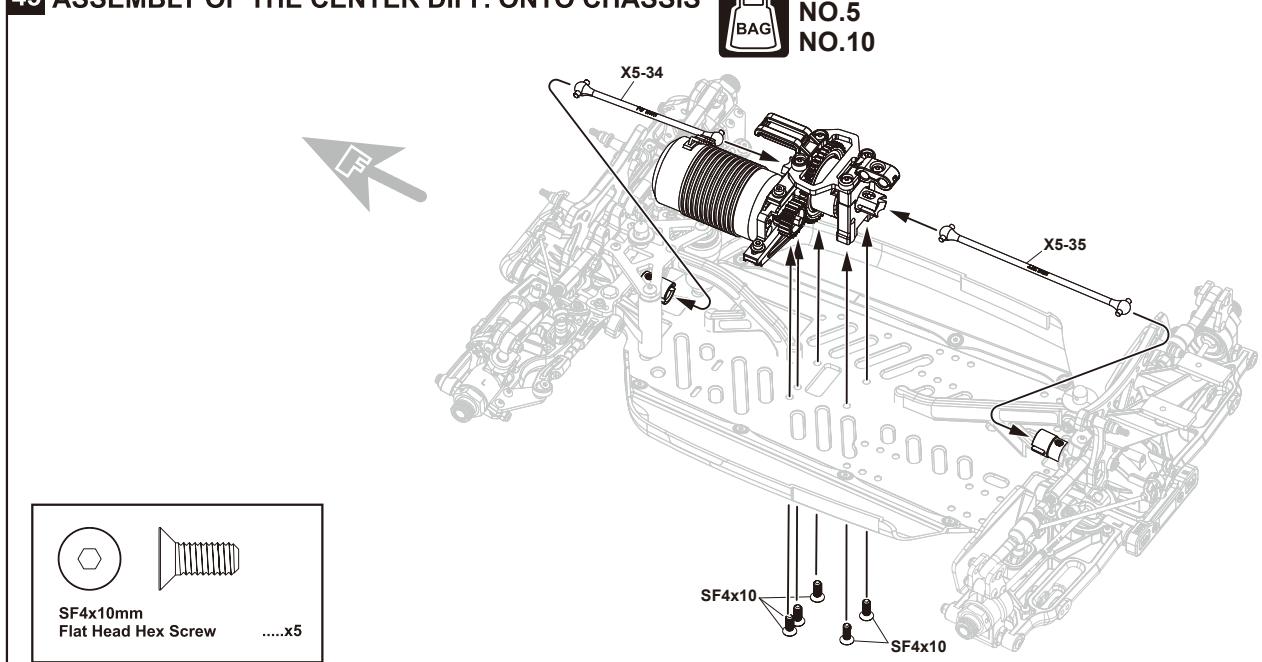
SF4x20mm
Flat Head Hex Screwx2



45 ASSEMBLY OF THE CENTER DIFF. ONTO CHASSIS



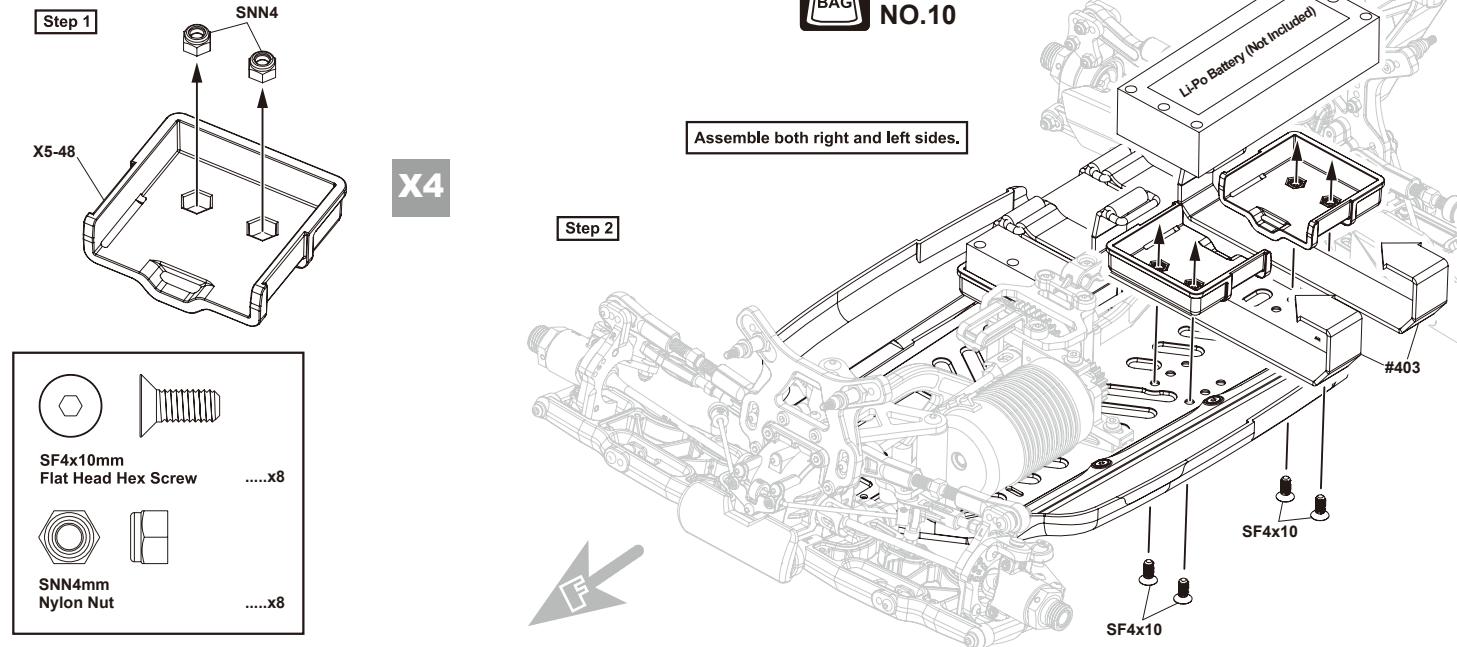
NO.5
NO.10



46 ASSEMBLY OF THE BATTERY CASES ONTO THE CHASSIS



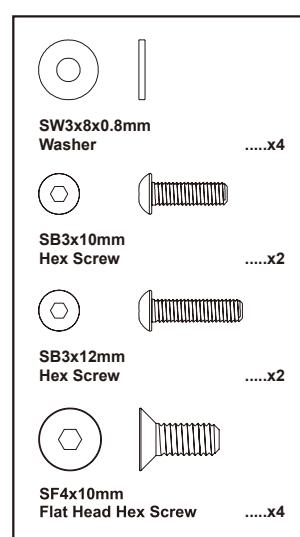
NO.7
NO.10



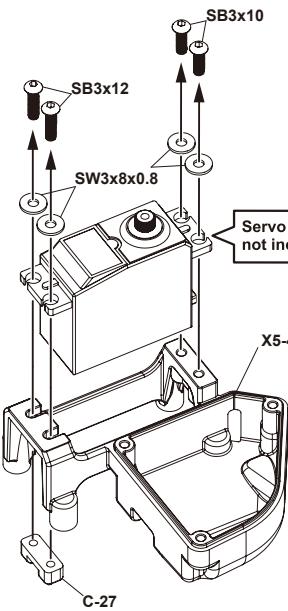
47 ASSEMBLY OF THE STEERING SERVO ONTO SERVO BASE



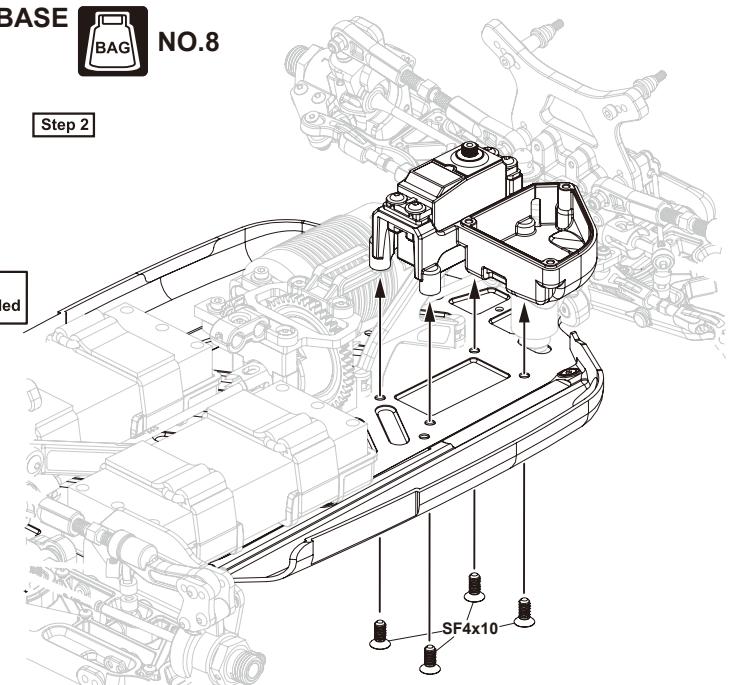
NO.8



Step 1



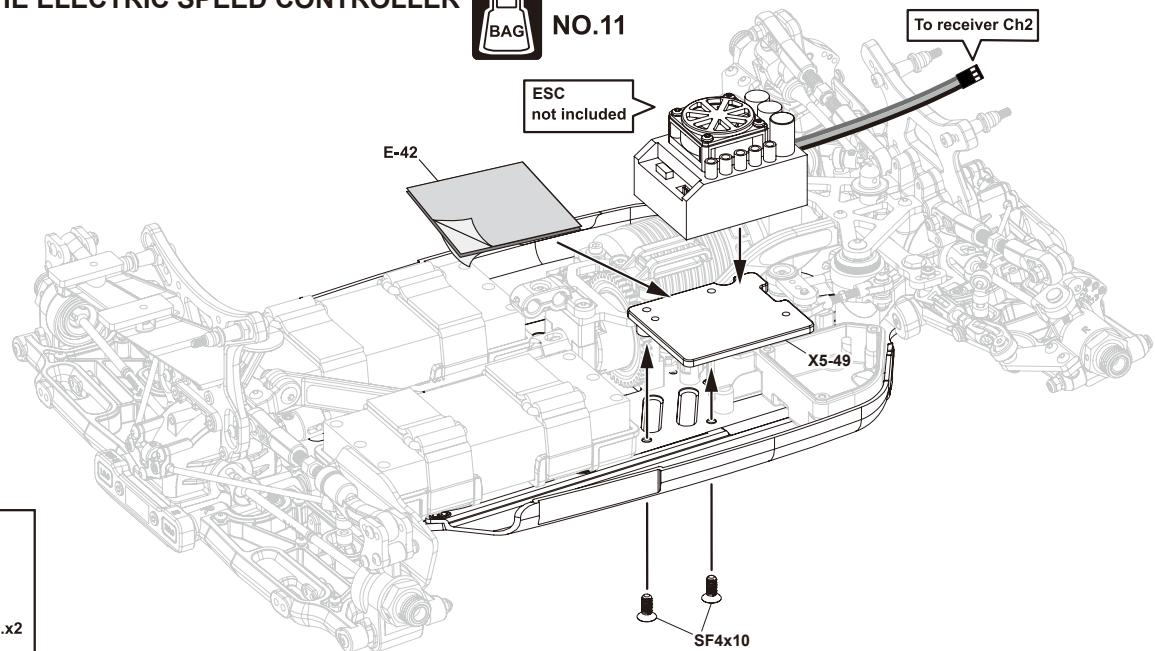
Step 2



48 ASSEMBLY OF THE ELECTRIC SPEED CONTROLLER



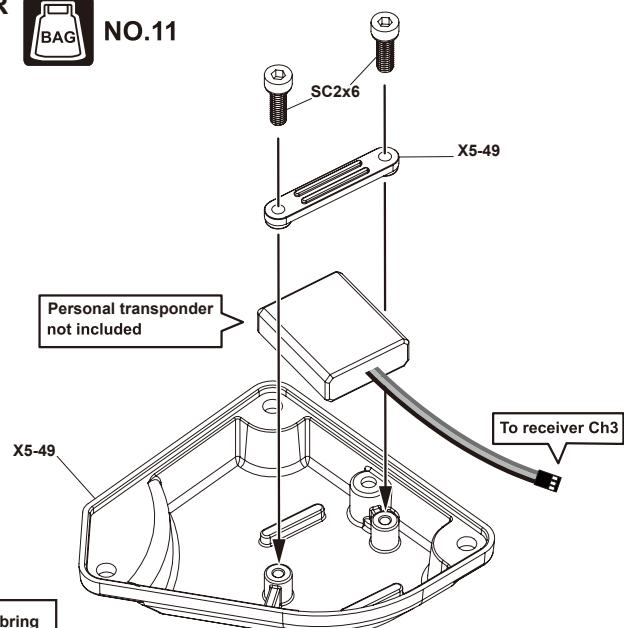
NO.11



49 ASSEMBLY OF THE PERSONAL TRANSPOUNDER



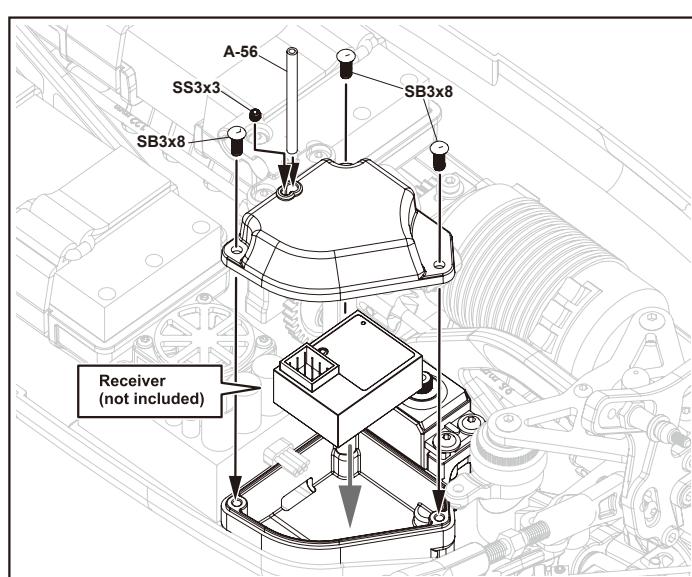
NO.11



50 ASSEMBLY OF THE RECEIVER INTO RADIO CASE



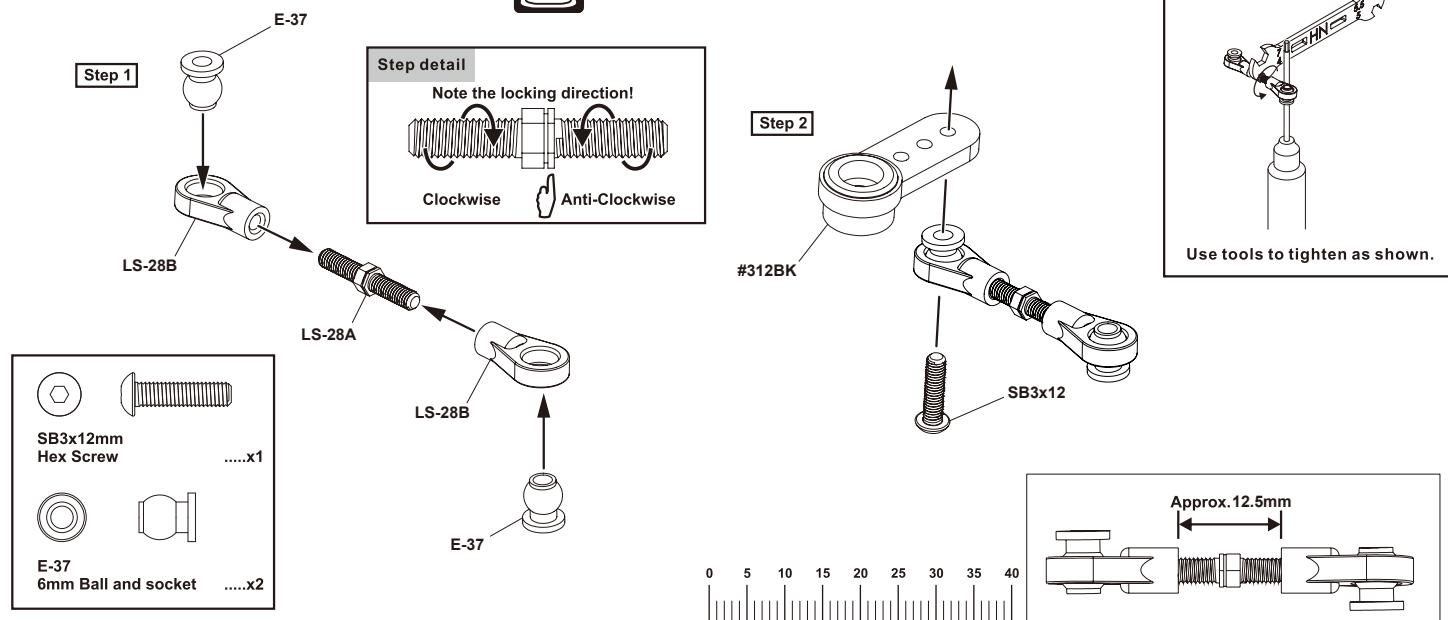
NO.11



51 ASSEMBLY OF THE STEERING ROD



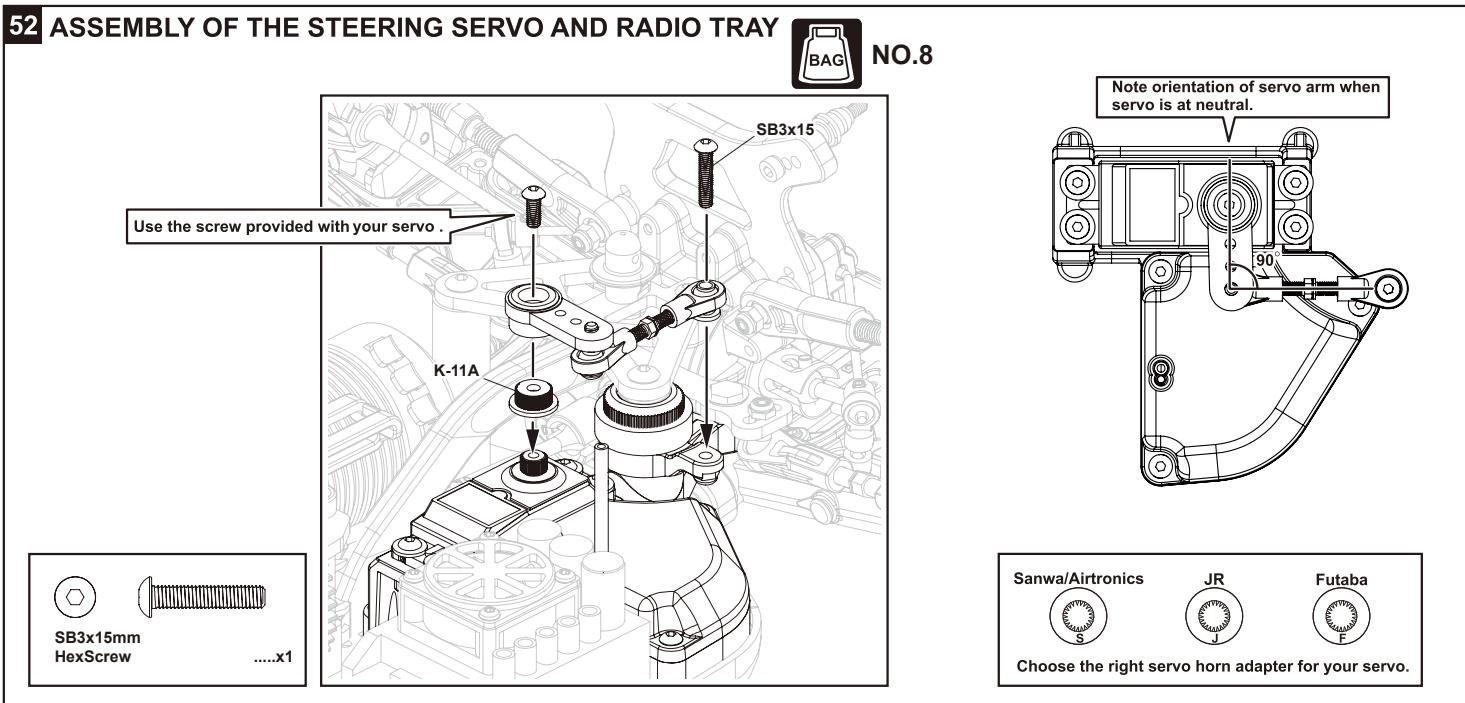
NO.8



52 ASSEMBLY OF THE STEERING SERVO AND RADIO TRAY



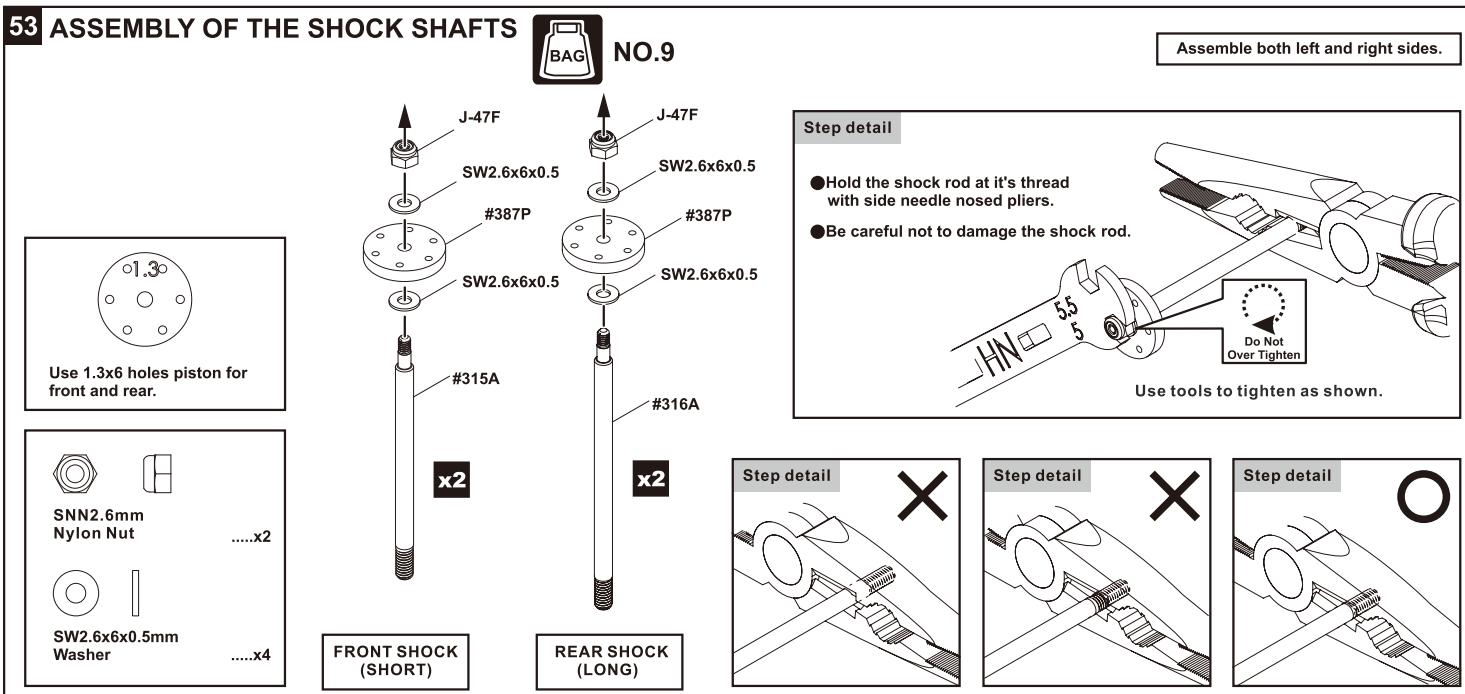
NO.8



53 ASSEMBLY OF THE SHOCK SHAFTS



NO.9

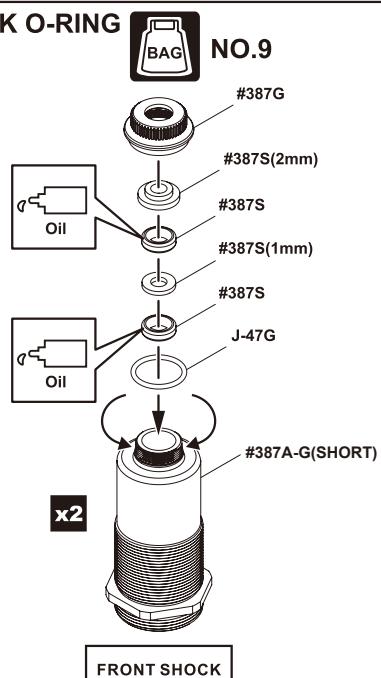
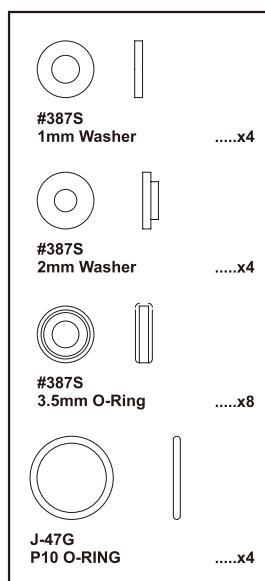


54 ASSEMBLY OF THE SHOCK O-RING

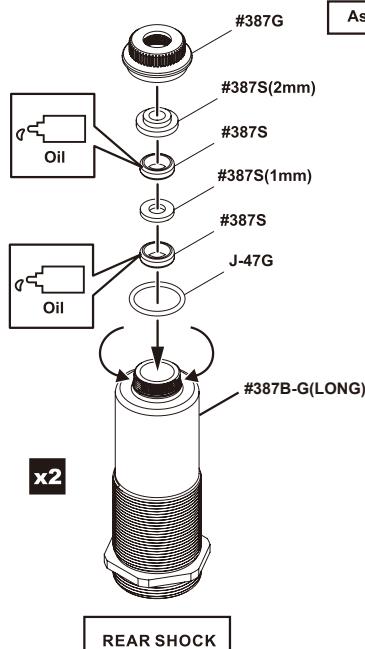


NO.9

Assemble both left and right sides.



FRONT SHOCK



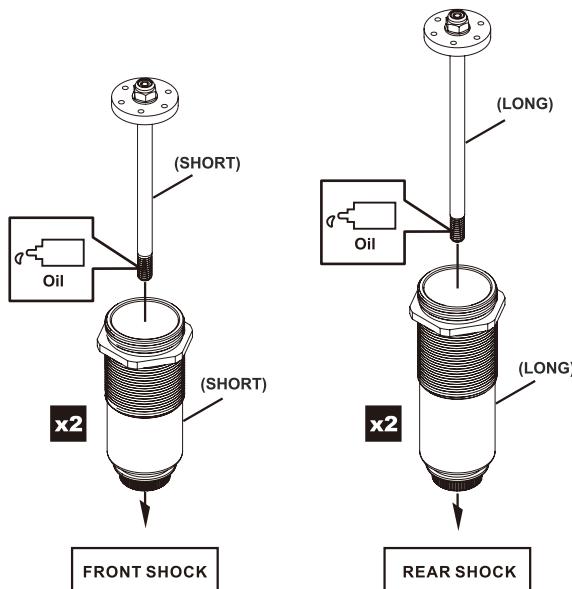
REAR SHOCK

55 ASSEMBLY OF THE SHOCK SHAFTS INTO SHOCK BODIES



NO.9

Assemble both left and right sides.

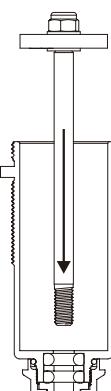


FRONT SHOCK

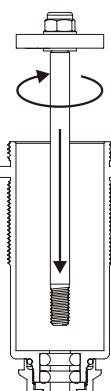
REAR SHOCK

! EXTREMELY IMPORTANT

Do not push the shock shaft straight down, O-ring can be damaged.



Slowly twist the shock shaft down to the bottom.

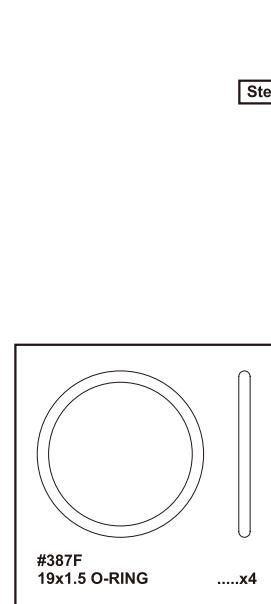


56 ASSEMBLY OF THE SHOCK ADJUST RING

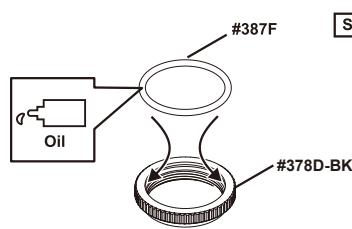


NO.9

Assemble both left and right sides.

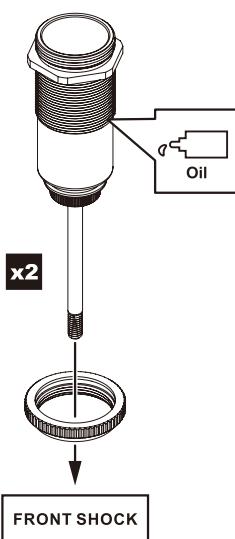


Step 1



Fit the o-ring into groove before assembly.

Step 2

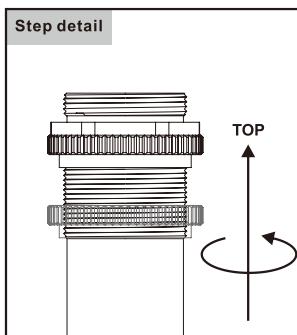


FRONT SHOCK

x2

REAR SHOCK

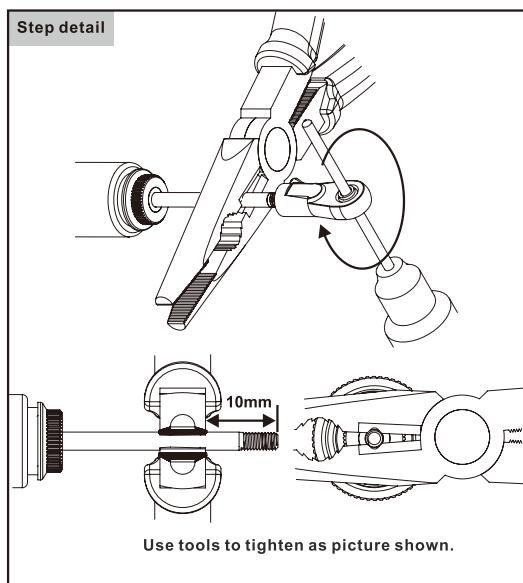
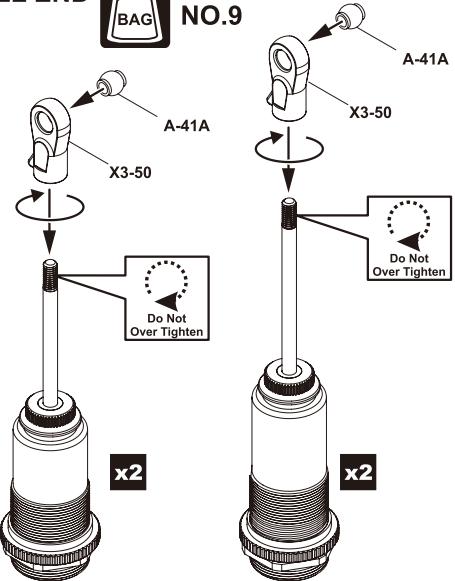
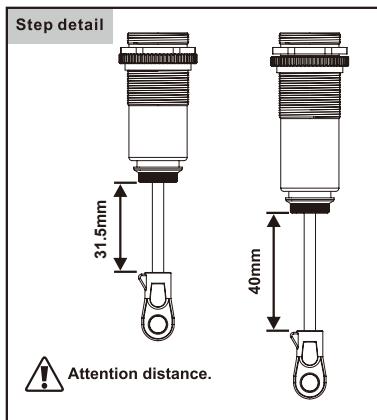
Step detail



57 ASSEMBLY OF THE SHOCK BALL END

NO.9

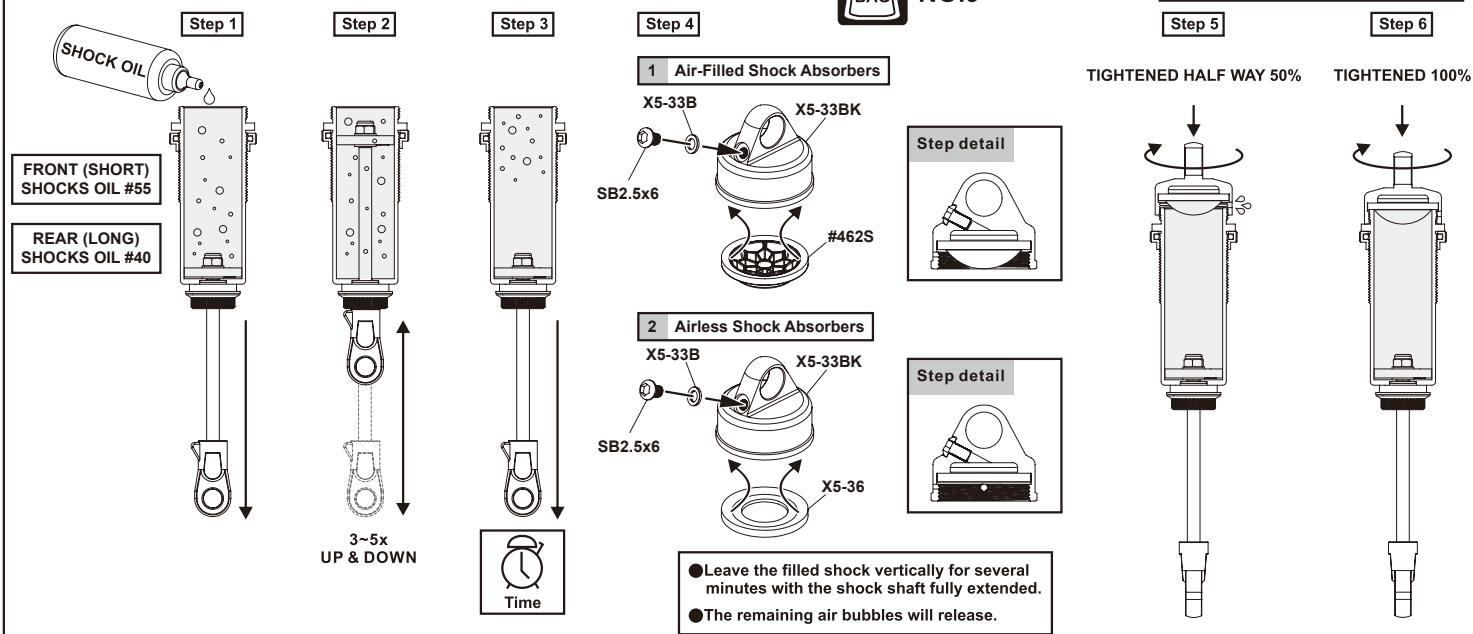
Assemble both left and right sides.



58 SETTING THE SHOCK REBOUND TO 100% (HIGH REBOUND)

NO.9

Assemble both left and right sides.



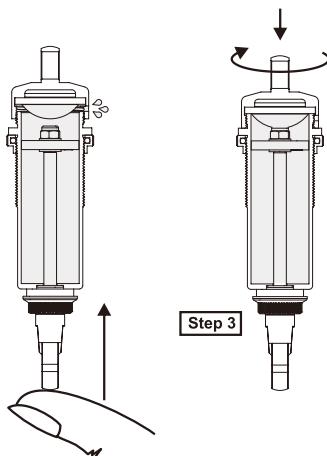
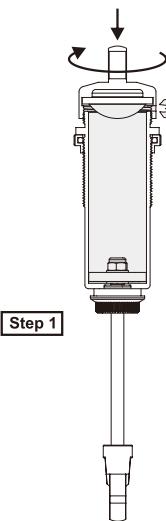
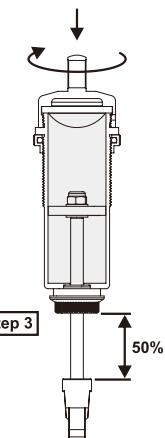
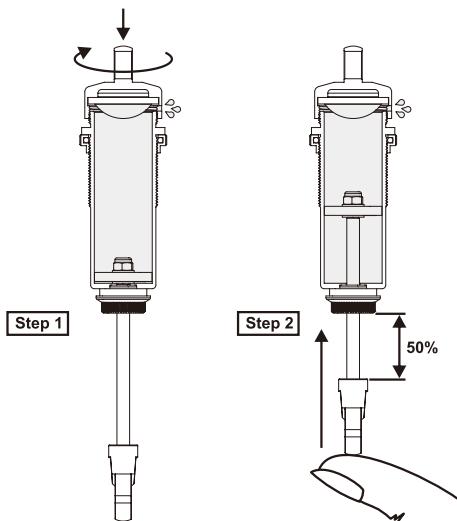
59 SETTING THE SHOCK REBOUND TO 50% & 0% (MEDIUM REBOUND & LOW REBOUND)

TIGHTENED HALF WAY 50%

TIGHTENED 100%

TIGHTENED HALF WAY 50%

TIGHTENED 100%

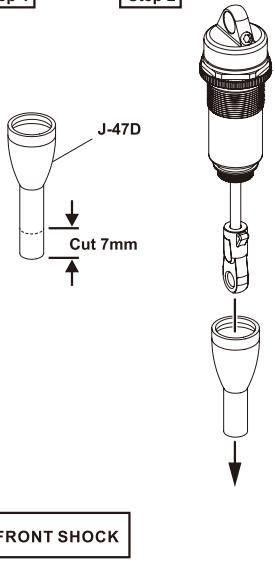


60 ASSEMBLY OF THE SHOCKS SPRING



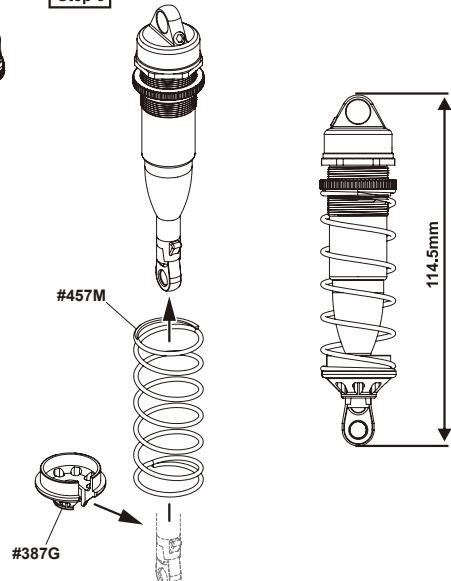
NO.9

Step 1 Step 2

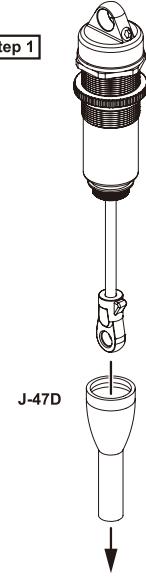


FRONT SHOCK

Step 3

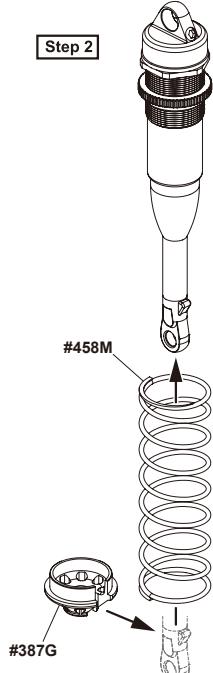


Step 1

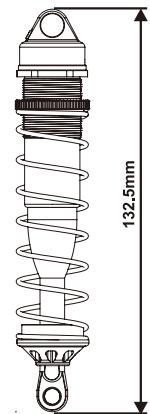


REAR SHOCK

Step 2



132.5mm



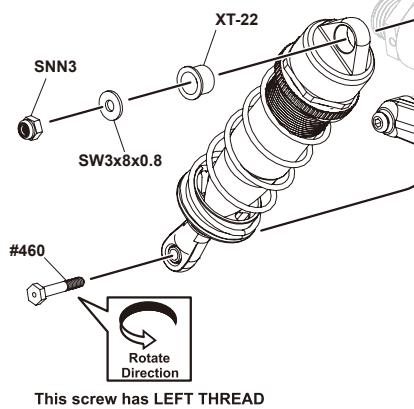
61 ASSEMBLY OF THE SHOCKS INTO THE SHOCK STAY

Assemble both left and right sides.

R

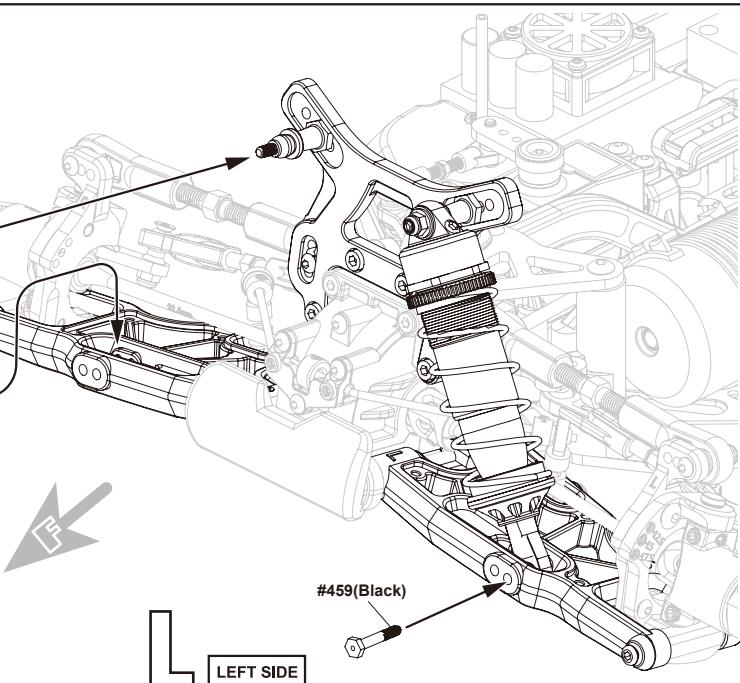
Right side

	SNN3mm Nylon Nut	.....x2
	SW3x8x0.8 Washer	.....x2
	#459(Black) 3x18mm Right Thread Screw	.....x1
	#460 3x18mm Left Thread Screw	.....x1



This screw has LEFT THREAD

L LEFT SIDE



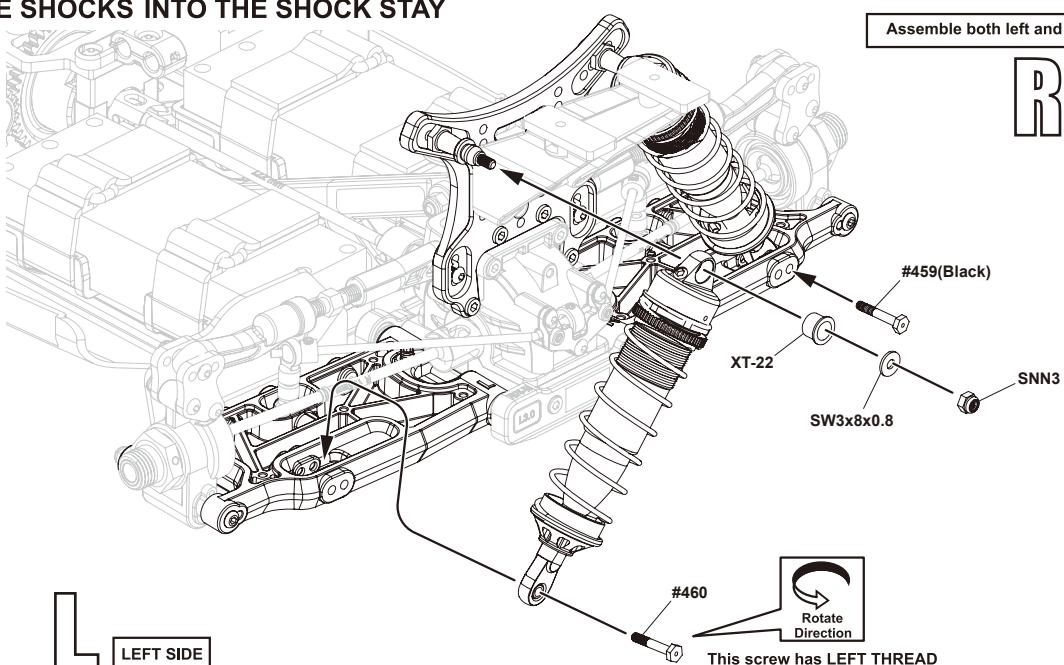
62 ASSEMBLY OF THE SHOCKS INTO THE SHOCK STAY

Assemble both left and right sides.

R

Right side

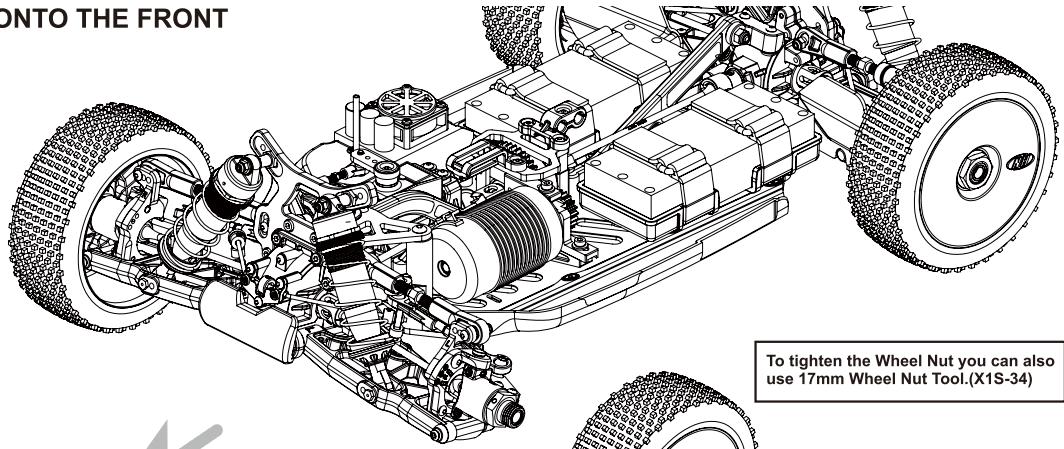
	SNN3mm Nylon Nut	.....x2
	SW3x8x0.8 Washer	.....x2
	#459(Black) 3x18mm Right Thread Screw	.....x1
	#460 3x18mm Left Thread Screw	.....x1



This screw has LEFT THREAD

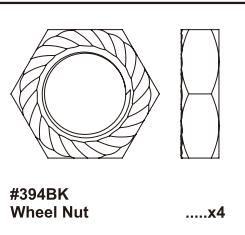
63 ASSEMBLY OF THE TIRES ONTO THE FRONT KNUCKLE AND REAR HUB

R Right side

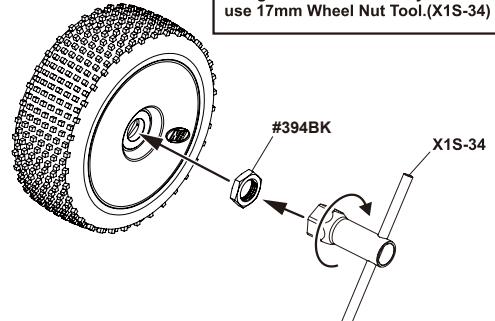


Assemble both left and right sides.

To tighten the Wheel Nut you can also use 17mm Wheel Nut Tool.(X1S-34)

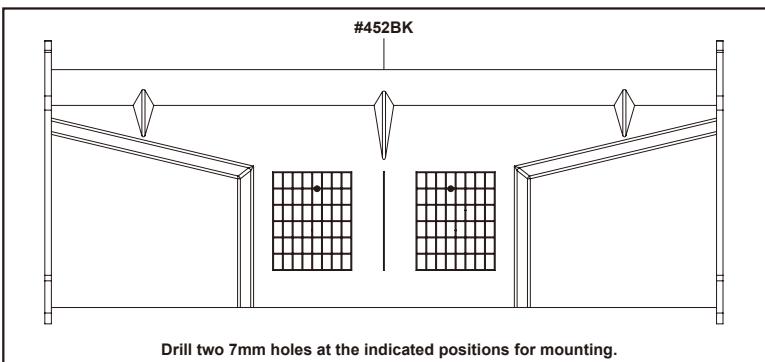


L LEFT SIDE

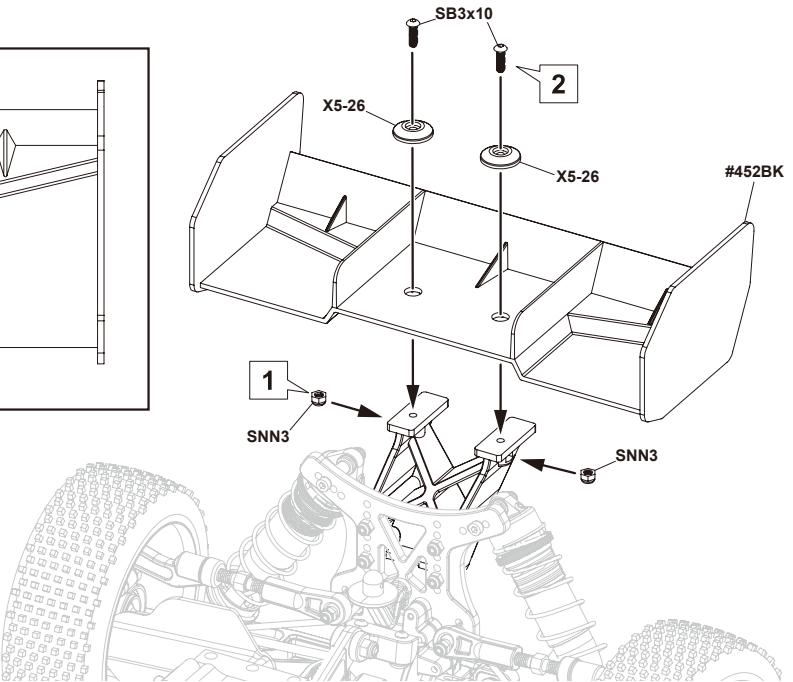
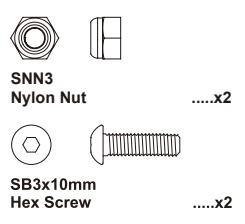


64 ASSEMBLY OF THE WING

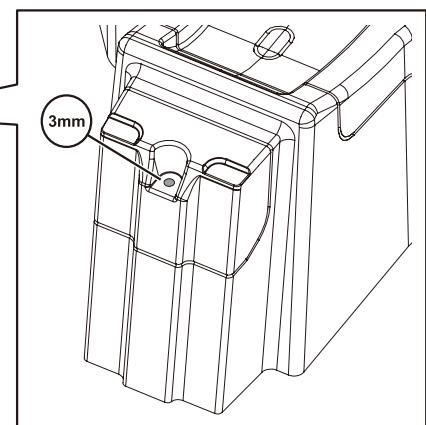
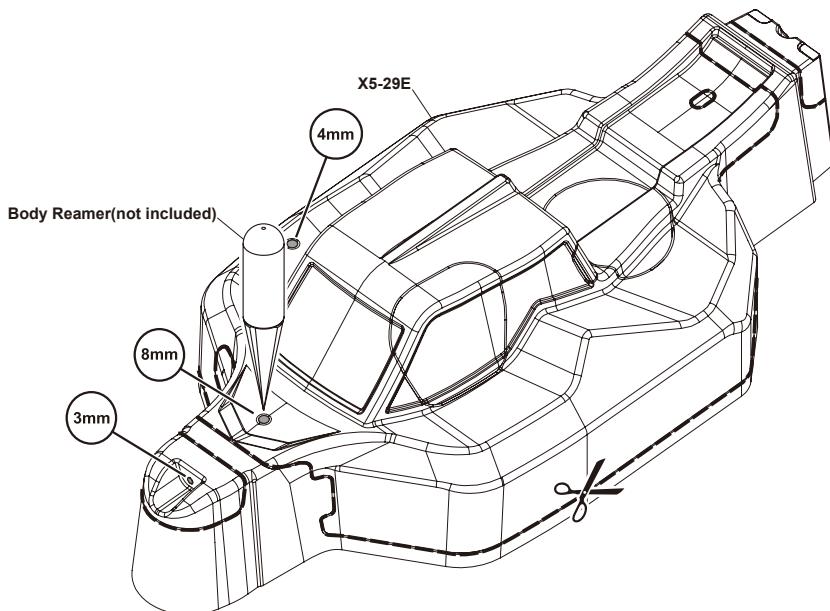
#452BK



Drill two 7mm holes at the indicated positions for mounting.

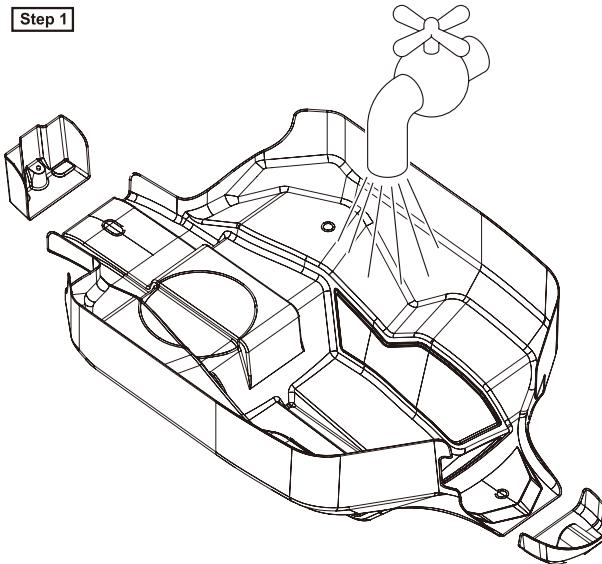


65 MAKING HOLES AND CUTTING ON THE BODY SHELL

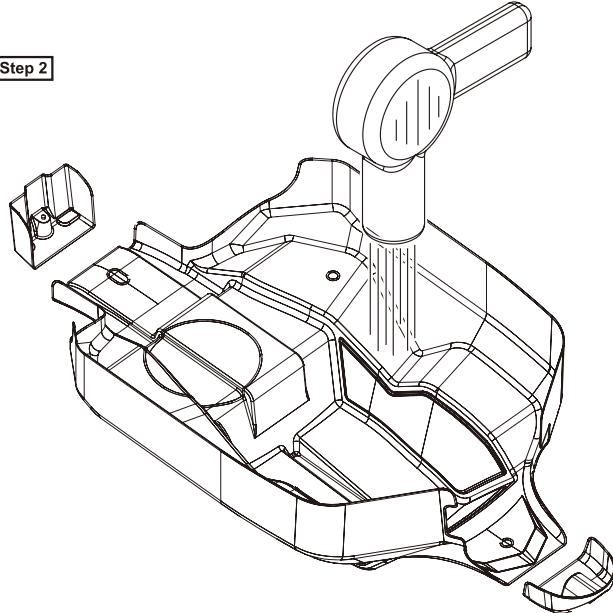


66 WASH THE INSIDE OF THE BODY SHELL

Step 1



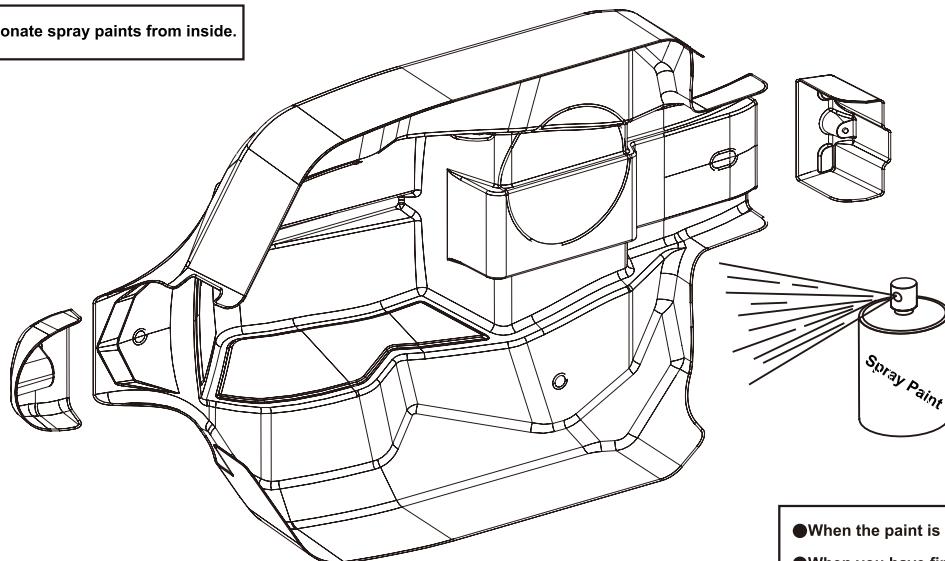
Step 2



Wash the inside of the body shell with mild detergent, and then rinse and dry thoroughly.

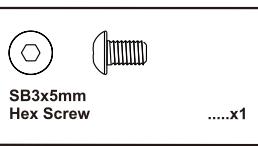
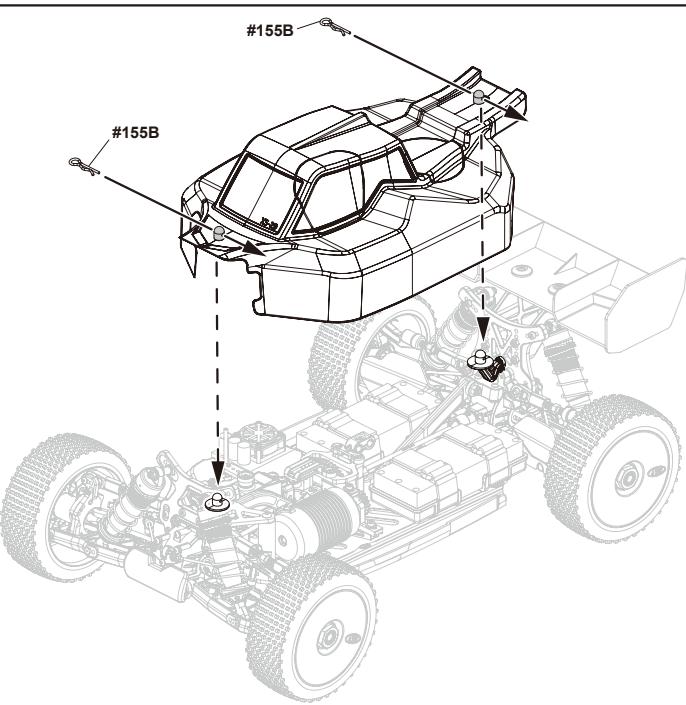
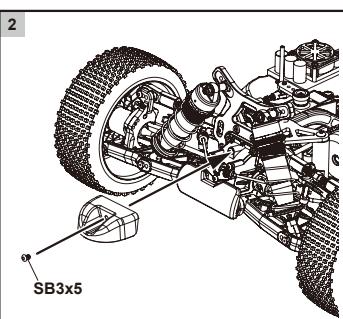
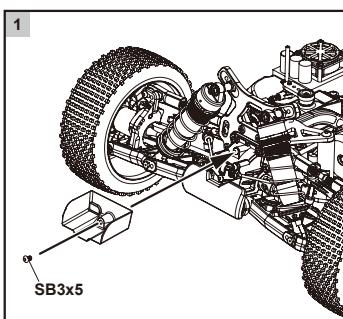
67 PAINTING BODY SHELL

Paint the body with polycarbonate spray paints from inside.



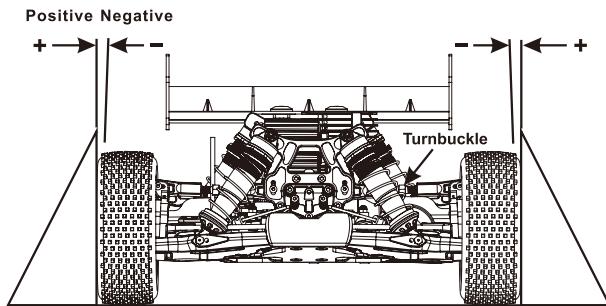
- When the paint is dry, remove the masking tape.
- When you have finished painting, peel off the external protective films.

68 MOUNTING THE BODY SHELL

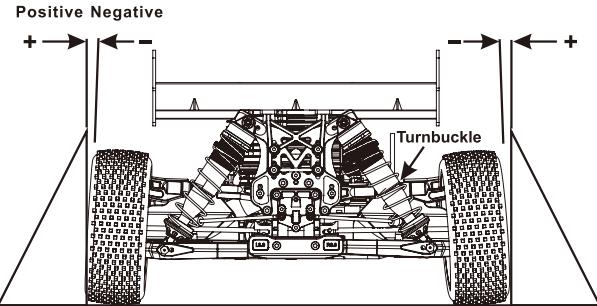


TIRES SETTING GUIDE

FRONT CAMBER ANGLE SETTING

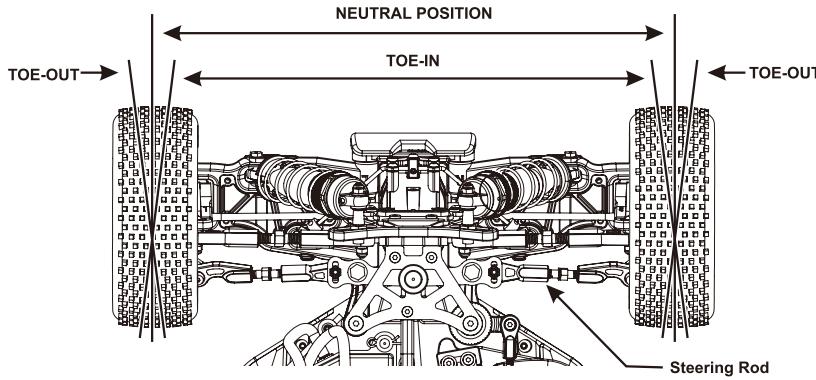


REAR CAMBER ANGLE SETTING



- Place the model car on flat surface. Raise the chassis to its clearance before the wheels leave the ground.
- Adjust the length of the front and rear upper arms so that the wheels are vertical to the ground.
- Adjust the camber angle by turning the turnbuckle rod on the upper arms clockwise or anti-clockwise.
(We suggest to use zero degree for the front and 1.5 degree negative for the rear.)

FRONT TOE-IN AND TOE-OUT SETTING



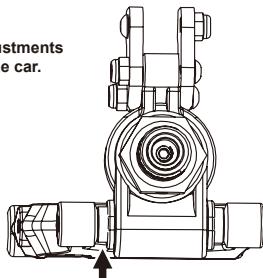
Adjust the length of front steering rod to change the toe angle.

- Making the tie rod longer will make front tires toed in. Response will be slower and may over steer.
- Making the tie rod shorter will make front tires toed out. Response will be quicker and may under steer.

REAR WHEELBASE

- Adjust the wheelbase by using the spacers on either side of the rear wheel hub (at the bottompin).
- **IMPORTANT!** Make equal adjustments on both left and right sides of the car.

0mm	+	2.0mm	
+	2.5mm	+	4.5mm



Shorter wheelbase

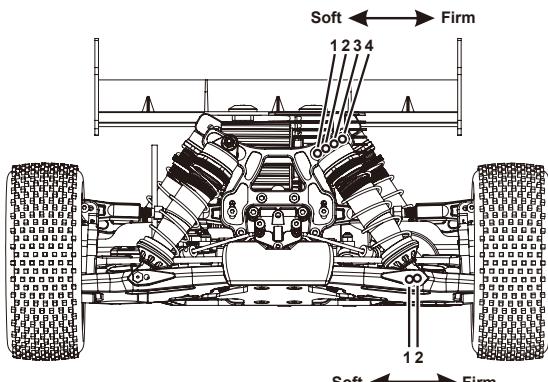
- Less spacers in front of the rear wheel hub.
- Increases rearward weight transfer during acceleration.
- Increases on-power traction.
- Quicker off-power steering into corners.
- Slight tendency to push on-power at corner exit.
- Increases steering response.
- Better on tighter, more technical tracks.

Longer wheelbase

- More spacers in front of the rear wheel hub.
- Decreases off-power steering into sharp corners.
- Increases stability.
- Slower initial steering reaction(off-power).
- Improves on-power steering at corner exit.
- Better handling over bumps and ruts.
- Better on more open tracks with high-speed corners.

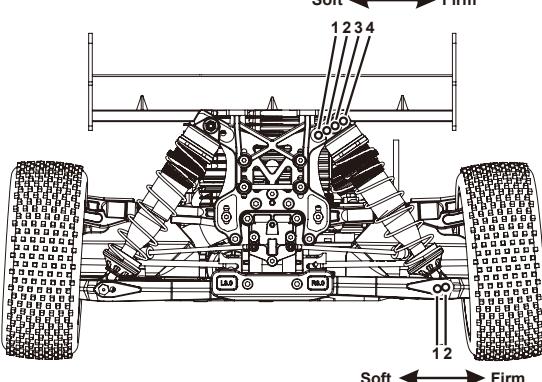
- Different shock positions will result in firmer or softer response of the suspension system.
- Install the shock in an inward angle will cause softer rebound. Softer or firmer suspension system will lead to different steering response.
- Adjust the shock angle positions according to track conditions.

FRONT SHOCK ANGLE SETTING



Firm front suspension, less steering.
Soft front suspension, more steering.

REAR SHOCK ANGLE SETTING



Firm rear suspension, over steering.
Soft rear suspension, under steering.

AIR TEMP	_____	F	_____	C
LAPS	_____			
BEST LAP TIME	_____	in LAP		
TRACK SIZE	<input type="checkbox"/> OPEN	<input type="checkbox"/> MEDIUM	<input type="checkbox"/> TIGHT	
TRACK TRACTION	<input type="checkbox"/> HIGH	<input type="checkbox"/> MEDIUM	<input type="checkbox"/> LOW	

DIFFERENTIAL OIL		
FRONT	CENTER	REAR
<input type="checkbox"/> STD	<input type="checkbox"/> STD	<input type="checkbox"/> STD
OIL wt.		
FRONT	CENTER	REAR

GEARING		
SPUR GEAR	_____	T
PINION GEAR	_____	T

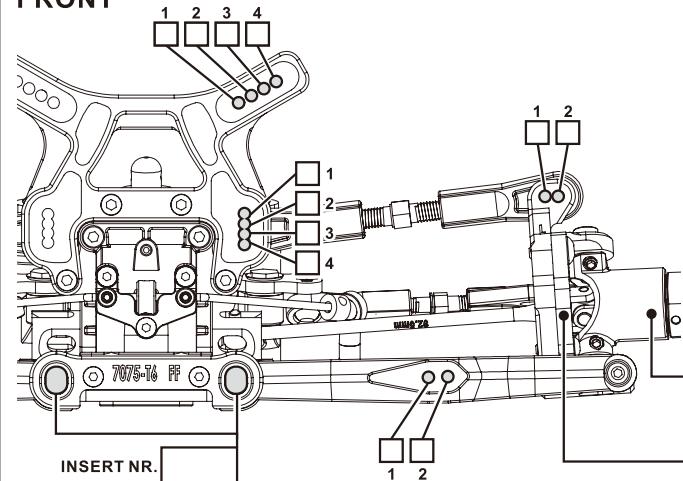
TIRES		
FRONT TYPE	_____	
COMPOUND	_____	
INSERT FOAM	_____	
REAR TYPE	_____	
COMPOUND	_____	
INSERT FOAM	_____	

ELECTRIC MOTOR		
TURN	_____	/
RPM	_____	
KV	_____	
BRAND	_____	

ELECTRIC SPEED CONTROLLER		
BRAND	_____	
TYPE	_____	

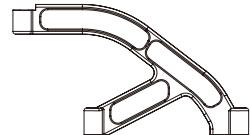
NAME _____ RACE _____ DATE _____
 TRACK _____ CITY/COUNTRY _____ TRACK CONDITION _____

FRONT



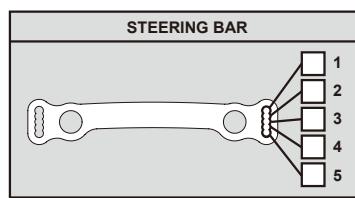
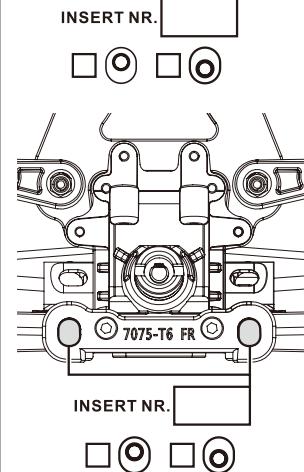
RIDE HEIGHT mm SWAY BAR mm
 SWAY BAR mm
 CAMBER ANGLE ° TOE ANGLE °

PLASTIC ALUM



STEERING BLOCK
 +2° +4°

FRONT SPINDLE CARRIERS CASTER
 15° 17.5° 20°



SHOCK

FRONT SHOCK LENGTH mm

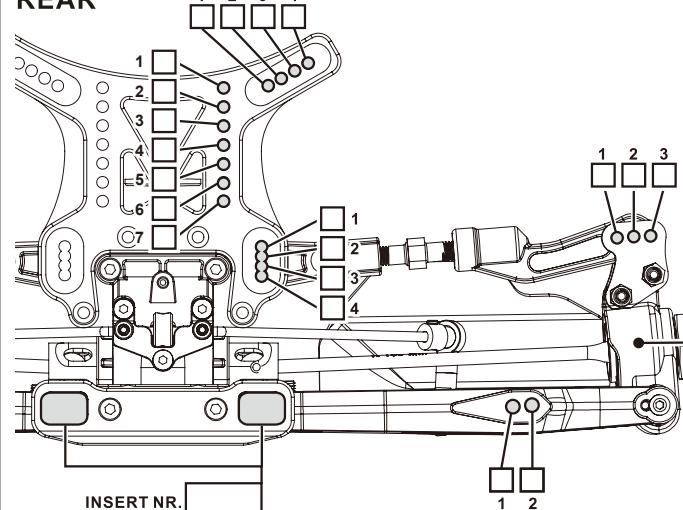
OIL wt.

PISTON

SPRING



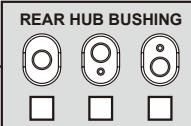
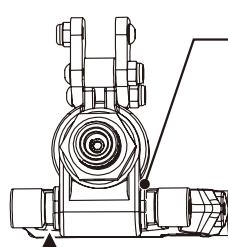
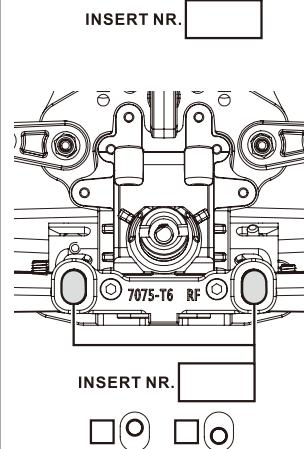
REAR



RIDE HEIGHT mm SWAY BAR mm
 SWAY BAR mm
 CAMBER ANGLE °

PLASTIC ALUM

WHEEL HUB
 PLASTIC ALUM



SHOCK

REAR SHOCK LENGTH mm

OIL wt.

PISTON

SPRING



X5B PARTS LIST

Part No.	Description	Q'TY	Part No.	Description	Q'TY
A-17A	Brake Lever	2	X3-43	Diff. Case (F&R)	1
A-17B	Brake Rod	2	X3-46	Suspension Bracket Inserts	1set
A-34B	Stabilizer Ball End	2	X3-49	Body Post/Center Brace	1set
A-41A	6mm Ball	6	X3-50	Plastic Rod End	1set
A-47A	Ball Bearing 5x10x4	2	X3-52	Front Bumper / Rear MudGuard	1set
A-53A	Throttle Spring	2	X3-60A	Air Filter Foam	2
A-80A-BK	2mm Brake Adjust Nut (Black)	2	X3-60P	Air Filter Plastic Parts	1set
A-80B	Throttle Linkage Plastic	1set	X3.6-07	4x67.6mm Arm Shaft	2
C-27	Servo Fixing (Lay down)	1set	X3S-04	Diff. Cap Joint (Lightweight)	2
E-37	6mm Ball & Socket	6	X3S-16	Rear Upright 3.5mm	2
G-25	7mm Ball	6	X3S-27B	CNC Brake Disk	1
G-26	5x35 Turnbuckle	2	X3S-27C	CNC Brake Disk, Small	1
J-03A	P-6 O-Ring	2	X3S-44C	4x35mm Turnbuckle	2
J-20	Diff Bevel Gear Shim 13x16x0.2mm	4	X3S-44D	CNC Alum. Servo Saver Connecting Plate	1
J-33	Steering Plate Hex Screws	2	X3GT-40	Cup Joint For Planet Gear	2
J-45-BK	Muffler Stay Post (Black)	1	X3GT-71E	Fixing Pin	2
J-47D	Shock Shaft Dust Covers	4	X5-01	CNC 7075-3mm Lightweight Chassis	1
JS-06B	Bearing 4x8 Flange	2	X5-02	CNC 7075 Front Shock Tower	1
JS-14B	6x10 Ball Bearing	4	X5-03	CNC 7075 Rear Shock Tower	1
K-11A	Insert for Servo Saver	1set	X5-04	CNC 7075 Suspension Bracket, FR	1
L-26	3x36mm Turnbuckle	2	X5-05	CNC 7075 Suspension Bracket, FF	1
TM-29	Brake Link 2x52mm	2	X5-06	CNC 7075 Suspension Bracket, RF	1
TM-48	Stabilizer Ball End	8	X5-07	CNC 7075 Suspension Bracket, RR	1
X1-10H	Servo Saver Tube, Hard-Coated	1	X5-08	Alum.Angle Adjustable C-Hub Set	1set
X1-26-G	Alum. Wheel Hub.(Gold)	2	X5-09A	Steering Block Set	1set
X1-27	Knuckle Arm Bushing	4	X5-09B	Carbon Steering Block Arm Set	1set
X1-29	Front Stabilizer 2.0mm	1	X5-10	Alum. Swaybar Pin	2
X1-30	Rear Stabilizer 2.5mm	1	X5-11	Topdeck Carbon	1
X1-31	Shock Ball End Post/ One-Piece/ Top	4	X5-12	Carbon Center Diff Top Plate	1
X1-49	Muffler Stay	1	X5-15	Front CVD Drive Shaft 92.5mm	2
X1S-52C	CNC Brake Cam, Long	1	X5-16	Servo Saver Post	2
X1S-52D	CNC Brake Cam, Short	1	X5-17	5x50mm Turnbuckle	2
X1S-55A	Servo Saver, Plastic	1set	X5-18	Steering King Pin	4
XT-22	Plastic Shock Parts Set	1	X5-19	Anti-roll Bar Collet	2
XT-30B	Fuel Tank Post	1set	X5-20	Servo Saver Spring	1
XT-31	Plastic Center Diff. Mount	1set	X5-21	Gear Case	1set
X3-01	Spiral Bevel Gear 43t	1	X5-22	Lower Arm Front	1set
X3-02	Spiral Bevel Gear 13t	1	X5-23	Lower Arm Rear	1set
X3-03	Diff. Gear 10Tx4, 20Tx2	1set	X5-24	Receiver/ Battery Box	1set
X3-06	Drive Shaft Insert, 2.5 x12.8 Pin	4	X5-25A	Rear Hub L, R	1set
X3-07	CVD Wheel Axle	2	X5-25B	Carbon Rear Plates	2
X3-26	Brake Spring	4	X5-26	Wing Mount	1set
X3-31	7x8.5mm Ball & Socket	4	X5-27	Diff. Cap Joint (Lightweight)	2
X3-32	7x12mm Ball & Socket	4	X5-28	Fuel Tank	1
X3-34	2.5x11.8 Pins	10	X5-29	X5B Clear Body	1
X3-35	2.5 x12.8 Pins	10	X5-30	Steering Servo Saver Alum.	1
X3-37-BK	Engine Mount L.R (Black)	1set	X5-31	Side Guard L,R	1set
X3-38	Diff Gasket 31x20x0.3	3	X5-32	Steel Spur Gear 46t	1
X3-39	4x8mm Engine Mount Screws	4	X5-33	16mm Alum. Aeration Shock Cap	2
X3-40	4x10 Round Head Set Screw	4	X5-34	Center Drive Shaft. 95mm	1

X5B PARTS LIST



**1/8 HIGH PERFORMANCE
OFF ROAD
ELECTRIC BUGGY**

Hong Nor

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