RADIO CONTROLLED ELECTRIC POWERED SPECIAL RACING BUGGY



- THE HIGHEST PERFORMANCE BUGGY EVER OFFERED BY KYOSHO! A FUTURE CHAMPIONSHIP WINNER.
- KIT INCLUDES TOP-QUALITY OPTIONS AS STANDARD EQUIPMENT.
- HIGH-PERFORMANCE FOUR-WHEEL DRIVE SYSTEM WITH TOOTHED BELTS AND TWIN BALL DIFFERENTIALS.
- ALL-INDEPENDENT WISHBONE/ARM SUSPENSION WITH TOP-QUALITY OIL-FILLED PRESSURE TYPE SHOCK ABSORBERS.
- COMPLETE KIT WITH 14 HIGH-QUALITY BALL BEARINGS.
- STRONG, RIGID FRP DOUBLE-DECK CHASSIS.
- A PERFECT MATCH FOR TOP-PERFORMANCE MOTORS AND BATTERIES.
- ■BATTERY: 7.2V-1200/1700mAh (NOT INCLUDED)

 RADIO: TWO-CAHNNEL W/ELECTRONIC SPEED CONTROLLER (NOT INCLUDED)

 MOTOR: HIGH-PERFORMANCE 240 TYPE (NOT INCLUDED)



BEFORE ASSEMBLY

O Read the instruction carefully.

You can assemble the kit more easily if you have gasped the general idea of steps and structure beforehand by reading it through to the end.

OCheck the parts in the kit.

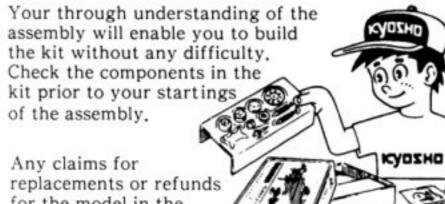
Check to see if all the parts arecorrectry bagged as they are listed in the "Bagged Parts List".

Instruction

KYDSHO

Oh.

I see,



for the model in the process of assembly will not be accepted.

Learn the marks described in the instruction.

- WCMM ... Place to put some locktite.

It will prevent the screws and nuts get loosen by vibration while running.

FRACE ... Point where grease should applied.

It will reduce friction are assure smooth movement.



Bagged Parts List

Steps where your particular attention is required.

O Be well aware of the different types of screws.

 The difference between the TP Screw (short form of self-tapping screw) and the ordinary screw is

 TP Screw (MIIIIIIII) Ordinary Some of them Screw Finer Thread Coarser Thread Pointed tips.

The kinds of screws which will be used in the instruction,

 R/H Bind Screw Set Screw Screw • F/H Cap Screw

There are two kinds of thread, finer and coarser ones,

Screw

O Pick up the correct parts and screws,

Compare the shape and size of small parts, such as screws, nuts, and washers with the actual size drawing of each step.

O Be sure about the location and direction of parts to install.

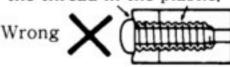
Double-check the location and orientation of parts with the illustration before installation. When necessary, assemble the parts themselves tentatively before proceeding to the next step.

O Do not tighten the TP Screw too tight.

Do not use excessive force when tightening the TP Screws, or you may strip the thread in the plastic, It is recommended to stop tightening it when the thread parts on the screw goes into the plastic part and you feel some resistance from the tightening.

Over tightening may strip the thread in the plastic.

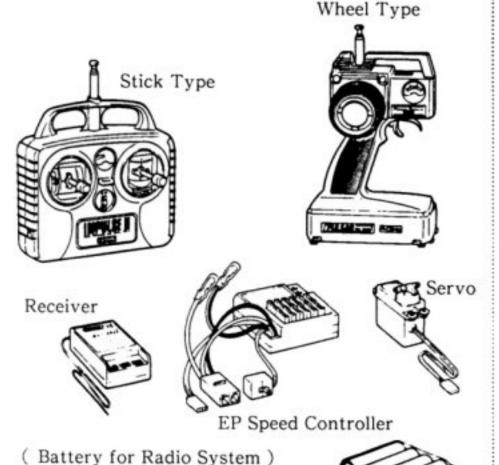
Good



(Things need beside the kit)

(2 Channel Radio System)

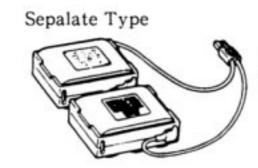
Two types of radio control set are on the market, the stick type and the steering wheel type. Choose which ever you like.



For transmitter 8 pcs.

(Ni-Cad Battery)

This model is designed to use a rechargeable 7.2V sepalate type or stick type battery.



Stick Type

Check up small

parts with the

(Motor)

A Le mans series type motor is recommended for top performance.

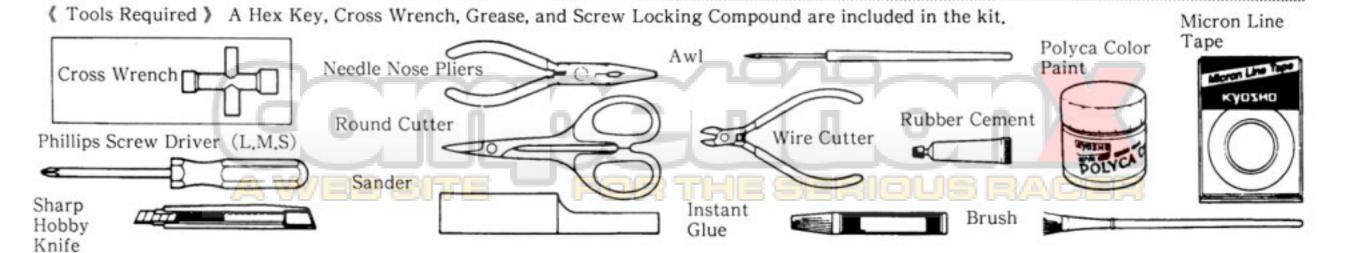
No.2481 Le mans Pro High Speed No.2483 Le mans Pro High Torque

(Charger for Ni-Cad Battery)

The Kyosho's Ni-Cad battery is of high performance. If it is charged correctly, it will operate for a considerable period of time.

*Use one of the chargers listed below which suits your need.

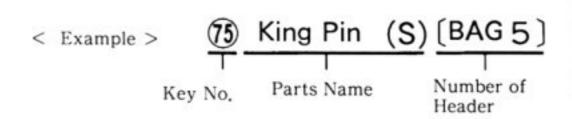
No.	Name	Time	Rate	Features
2326	7,2V Power Charger	15 min.	70%	For bigginers Built-in timer
1849	Multi Charger II	20 min.	100%	Timer, Ammeter built-in
2246	FET Auto Charger	20 min.	100%	Trickle charging Automatic Cut off at peak of charge

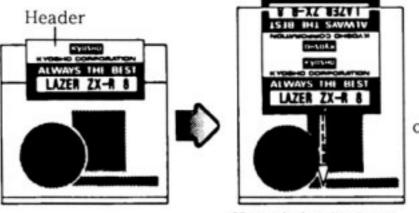


《 Do not throw away a bag header 》

- O The header is the only thing to rely upon when looking for a part. Do not discard it until you finish the assembly.

 O The header is indicated like this in the instruction.







Keep it in the bag.

Affix it on the bag with tape.

Bag No.	Key #	Parts Name	Q'ty	Step
	• 1	Front Shock Case	2	
	• 2	Rear *	2	• marked
	• 3	Front Shock Shaft	2	parts are
	• 4	Rear •	2	assembled
	• 5	Front Shock Spring	2	
	• 6	Rear *	2	
	• 7	Spring Holder	4	
	• 8	Shock Cap	4	
	• 9	Spring Stopper	4	
LAZER	• 10	Shock End	4	
ZX-R-1	• 11	Shock Piston	4	0
	• 12	Shock Collar (White)	4	
	• 13	• (Black)	4	
	• 14	O Ring	8	
	• 15	C Ring	4	
	• 16	E Ring (E2,5)	8	
	•	M2,6x10 TP R/H Screw	4	
	17	Shock Oil	1	O
	18	Pressure Top	4	0
		M3x18 Cap Screw	4	12 16
	★ 19	5.8	12	2
	20	5,8 φ Ball (Silver)	10	1 2
	21	◆ (Black)	8	2
	22	3 φ x32 Adjust Rod	3	2
	23	3 ¢ x40 ◆	4	2
	24	Servo Saver Spring	1	22
LAZER	25	Upper Deck Post	1	9
ZX-R-3	26	Steering Pin	2	4
	27	Servo Saver Shaft	2	9
	28	Servo Mount Plate	1	23
	29	3 φ x6 Flange Bushing	2	4
	30	Steering Plate	1	4
	31	5 φ x8 Bushing	4	4
	32	Limiter Collar	2	7 8
	33	Slipper Plate	2	7
	34	Guide Plate	1	7
	35	Front Axle Box (A)	1	112
1 4755	36	→ (B)	1	10
LAZER	37	Rear Axle Box (A)	1	7
ZX-R-4	38	• (B)	1	8
	39	• (C)	1	8
	40	, (D)	1	8
	41	Drive Pulley	2	78
	42	Pulley Flange (S)	2	7 8
	43	Motor Plate (L)	1	37

Bag No.	Key #	Parts Name	Q'ty	Step
	44	Main Shaft	1	7
	45	Front Drive Hub	1	8
	46	Side Plate (L)	1	8
	47	Motor Plate (S)	1	7
	48	Gear Cover	1	3
	49	M3x25 Shaft	1	8
	50	Limiter Nut	1	8
	51	Spur Gear	1	7
	52	Rear Drive Hub	1	7
	53	4 φ x8 Collar	1	7
	54	Sponge Cap	2	5
	© 55	8 φ x14 Ball Bearing	6	784 pcs.
	© 56	Differential	2	assembled
LAZER	© 57	Diff, Shaft (A)	2	1
ZX-R-4	© 58	• (B)	2	
	© 59	Plate Holder	4	marked parts are
	© 60	Pressure Plate	4	assembled
	© 61	Torque Keeper M2.6x15 Cap Screw	2	
	© 62	Tapered Washer	8	5
	© 63	Diff, Ball	20	_
	© 64	Thrust Ball	16	
	© 65	Thrust Washer	4	
	© 66	8 φ x10 Collar	2	
	67	Pulley Flange (L)	2	6
	68	Front Drive Belt	1	8
	69	Rear *	1	8
	70	Needle Rollar	2	8
	71	Needle Rollar Shaft	1	8
	72	4 φ x8 Bushing	1	72
	73	Rear Wheel Shaft	2	100
	74	Drive Washer	4	31
	-			
	75	King Pin (S)	2	13
	76	(L) Swing Shaft	2	13
	77	Swing Shaft	2	18
LAZER	78	3 φ x50 Shaft	2	10
ZX-R-5	79	3 φ x55 Shaft	2	18
	80	Hub Pin	4	14 18
	81	Rear Shock Stay	1	16
	82	Front Shock Stay	1	02
n 1 1	★ 83	Knuckle Arm (R)	1	18
	★ 84	* (L)	1	13
UP CE	85	Universal Swing Shaft	2	03
	86	5 φ x10 Ball Bearing	8	08 07

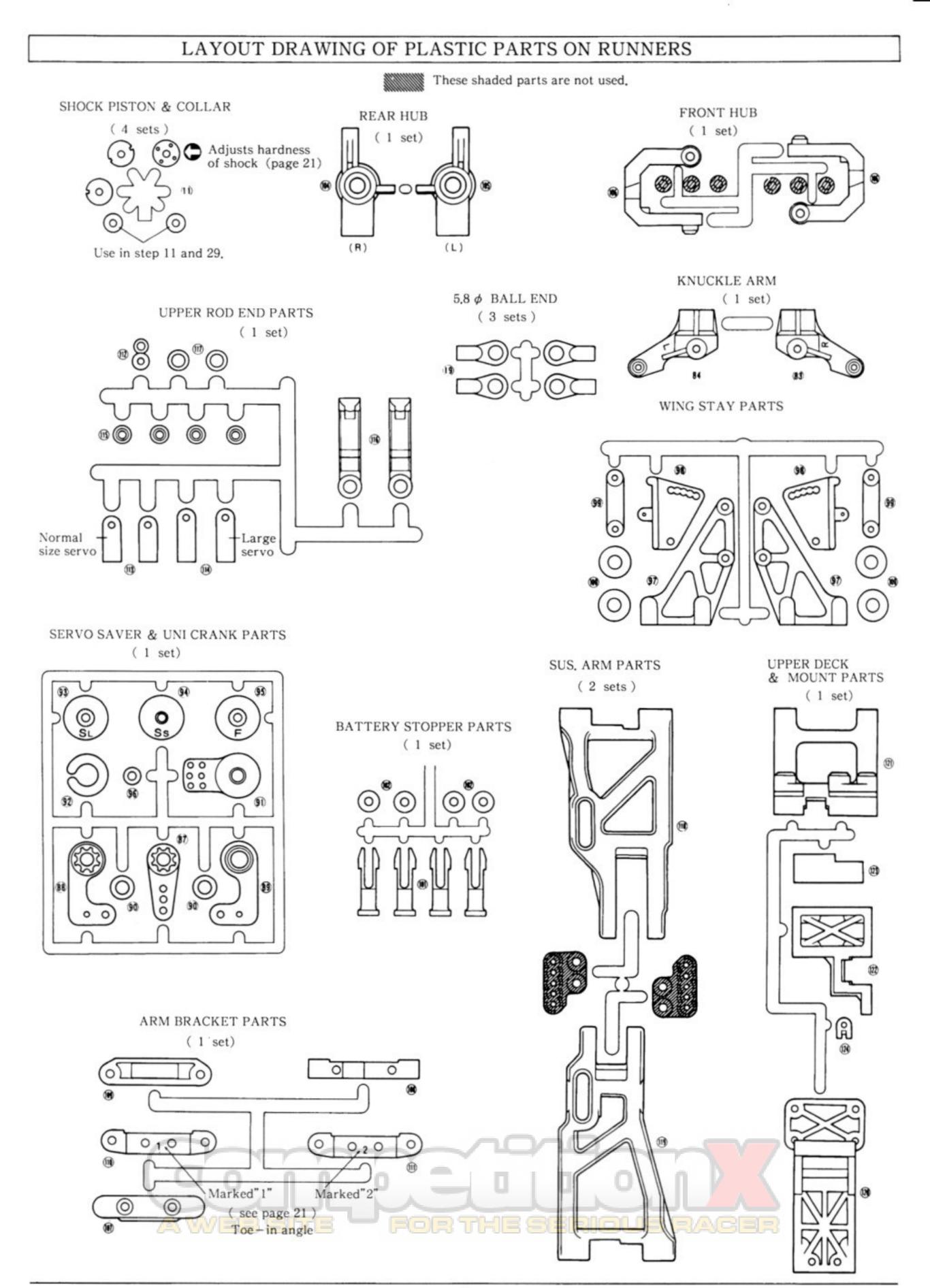
BAGGED PARTS LIST (2)

Bag No.	Key #	Parts Name	Q'ty	Step
	★ 87	Uni Crank (A)	1	4
	★ 88	• (B)	1	4
	★ 89	• (C)	1	4
	★ 90	Uni Crank Collar (A)	2	00
	★ 91		1	22
		Servo Saver Saver Ring		
	★ 92		1	22
	★ 93	Saver Horn (SL)	1	22
	★ 94	* (SS)	1	22
	★ 95	• (F)	1	22
	★ 96	Saver Washer	1	23
	★ 97	Wing Stay (A)	2	16
	★ 98	* (B)	2	16
	★ 99	→ (C)	2	16
	★ 100	Wing Washer	4	35 sparex2
	★ 101	Stopper Post	4	00
	★ 102	Stopper Washer	4	11
LAZER	103	Bumper	1	15
ZX-R-6	★ 104	Rear Hub (R)	1	17
PLASTIC	★ 105	• (L)	1	107
PARTS	★ 106	Front Hub	2	08
	★ 100	Front Arm Bracket (A)	1	120
			-	
	★ 108	* (B)	1	0
	★109	Rear Arm Bracket (A)	1	9
	★ 110	• (B)	1	Page 21
	★ 111	• (C)	1	18
	★ 112	Antenna Post	1	9
	★ 113	Servo Stay (S)	2	23
	★ 114	* (L)	2	24
	★ 115	Shock Collar	4	29
	★ 116	Upper Rod End	2	2
	★ 117	Uni Crank Collar (B)	2	00
	★ 118	Front Sus, Arm	2	14
	★ 119	Rear Sus. Arm	2	18
	★ 120	Rear Bulk Head	1	8
	★ 121	Upper Deck Mount (A)	1	9
	★ 122	4 (B)	1	9
	★ 123	Mount Collar (A)	1	9
	★ 124	* (B)	1	Page 20
LAZER	125	Front Wheel (56 size)	2	30
ZX-R-7	125	Rear Wheel (56 size)		
2V-U-1			2	30
	127	Double Sided Tape	1	25 27 36
	128	Velcro	1set	
	129	Double Sided Seal	1	33
TOT Delitable construction	130	Stopper Plate (L)	1	28
LAZER	131	• (S)	2	28
ZX-R-8	132	Upper Deck	1	26
	133	Pinion Gear (22T)	1	20
	134	Strap (S)	2	25 27
	135	NiCad Strap	2	28
	136	Antenna Pipe	_1	20
	137	Screw Locking Compound	1	FOE
	138	Hobby Grease	1	
	150		<u> </u>	

Bag No.	Key #	Parts Name		Q'ty	Step
200, 110,	139	Main Chassis		1	9
	140	Front Tire		2	30
	141			2	30
		Rear Tire Body		1	32
BOX	142	Under Cowl		1	
	143		-	-	32
	144	Wing Side Wine		1	<u>32</u>
	145	Side Wing	r n)	1	32
	146	Decal (Lazer Z	X-R)	1	34
	147	Cross Wrench		1	7
		Instruction Man	nual	1	
	16	E Ring (E2,5)		4	12 18
	148	+ (E3)		1	7
	149	Hook Pin		3	36
	150	Hex Wrench (1		1	7 8 20
	151	* (2		1	5
	152	* (2	2,5)	1	12 16
	153	Wave Washer		4	7
	154	4 φ x6 Shim		1	8
	155	5 φ x 8,5 Shim		6	13 17
	156	8 φ x12 Shim	2-030	1	8
		R/H Screw	M3×4	4	
		Bind Screw	мзх6	5	
			M3 X12	4	
		,	M3 ×30	1	
LAZER			M3 X35	1	
ZX-R-2			M 3 × 45	2	
	-	-	M4×8	5	
SCREWS NUTS		F/H Screw	M2.6×12	8	
WASHERS	-	4	M3×6	4	
			14-17-17-17-17-17-17-17-17-17-17-17-17-17-	-	
		TD D /U Scrow	M3×12	6	
		TP R/H Screw		2	
		TP Bind Screw		5	
	<u> </u>	•	M3×8	10	
		•	M3×10	9	
		*	M3 X12	2	
		TP F/H Screw		19	
		•	M3 X12	4	
		*	M3×15	6	
		Nut	M2.6	12	(3 kinds)
		*	М3	6	
		Nylon Nut	M2.6	2	
		*	МЗ	5	
		•	M4	4	(Flanged)
		Set Screw	мзхз	3	
		Washer	M2.6	2	
			МЗ	4	(Black)
			7		
			1		
			7		
		USBA		1	
	The Park of the last of the la	a commercial for the contract of		1	1

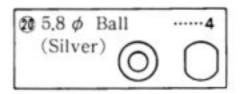
-4-

NO. 3147



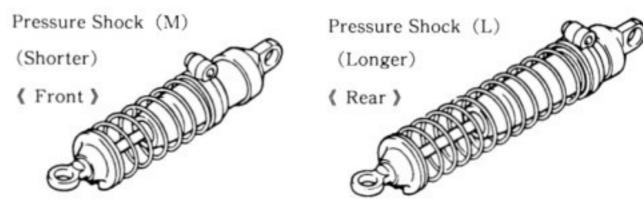
I FILLING THE SHOCK OIL

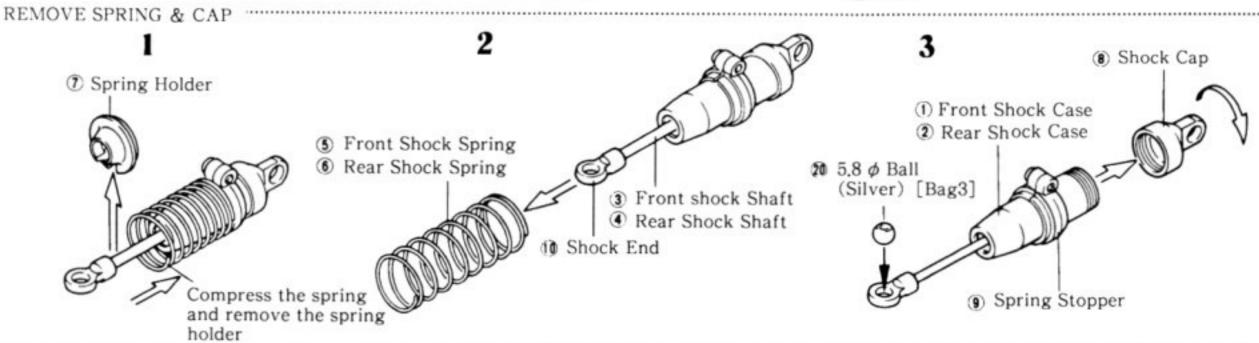
At each assembly stage, a drawing shows screws and other fasteners used in the actual size, Identify those required in each stage,





Pressure shocks are in [Bag 1] (Assembly), Remove the shock spring and shock cap to fill the shock oil,

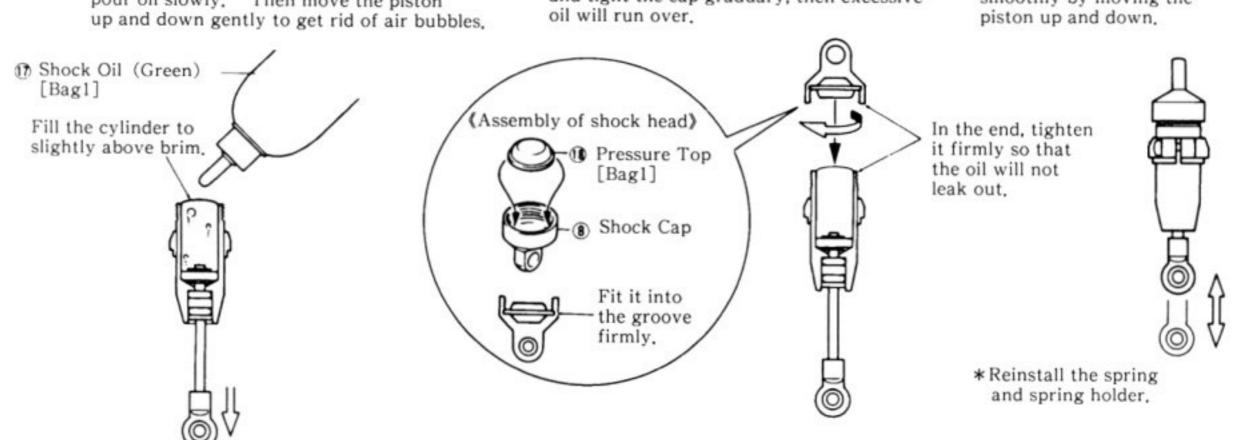


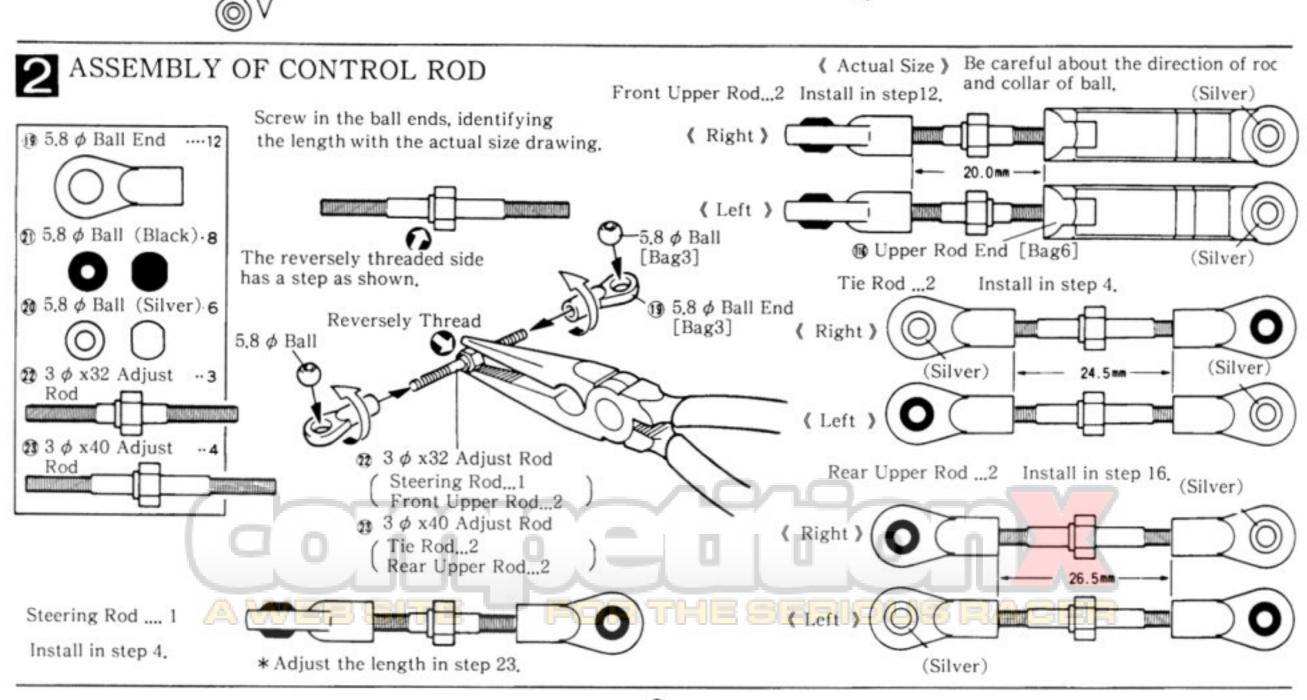


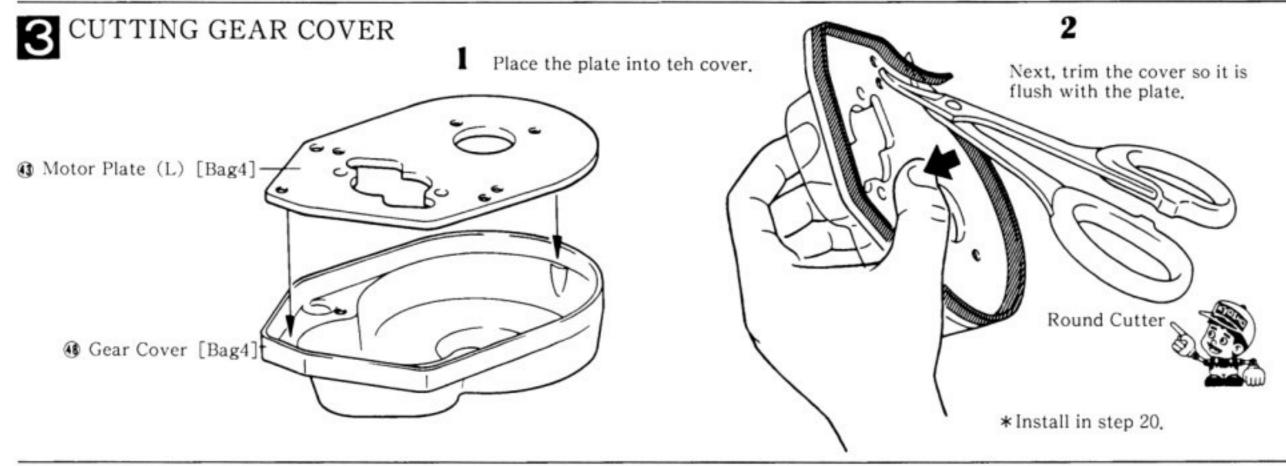
Pull down the piston to the bottomand pour oil slowly. Then move the piston up and down gently to get rid of air bubbles.

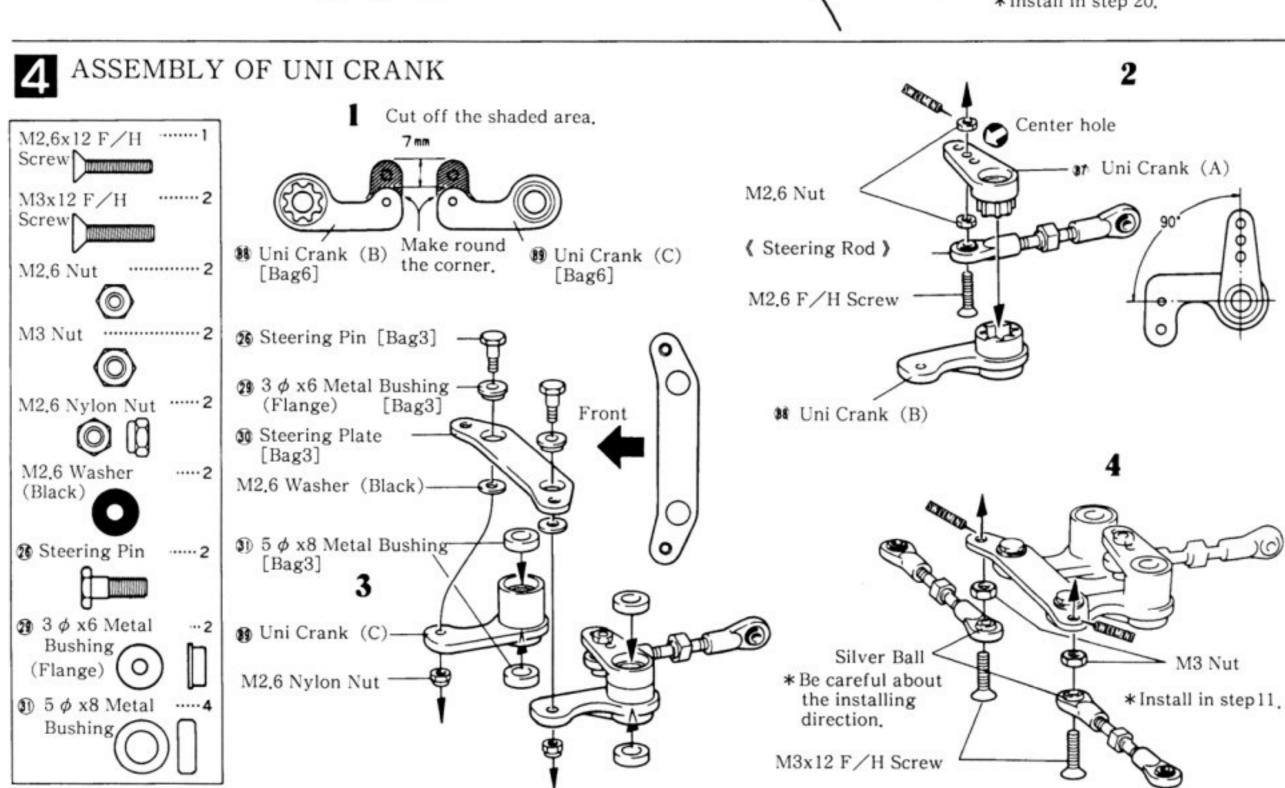
FILLING THE SHOCK OIL

Keep the piston in the lowest position and tight the cap graduary, then excessive oil will run over. Confirm that it will work smoothly by moving the piston up and down.











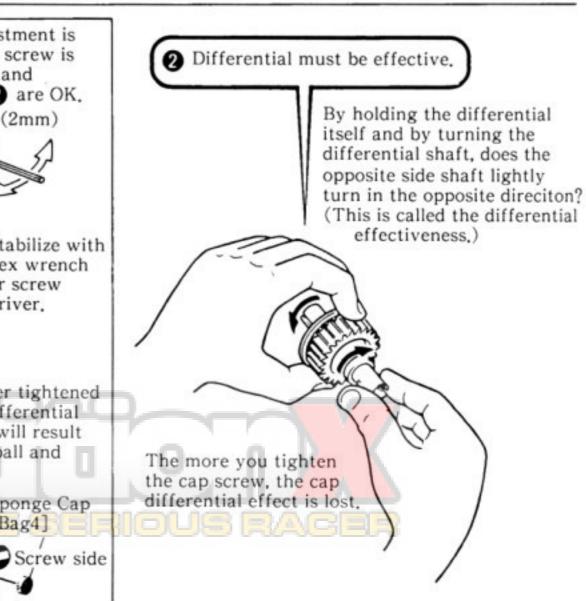
Ball Differential is already assembled and is included in [Bag4]. Check of and before assembling it into the gear box.



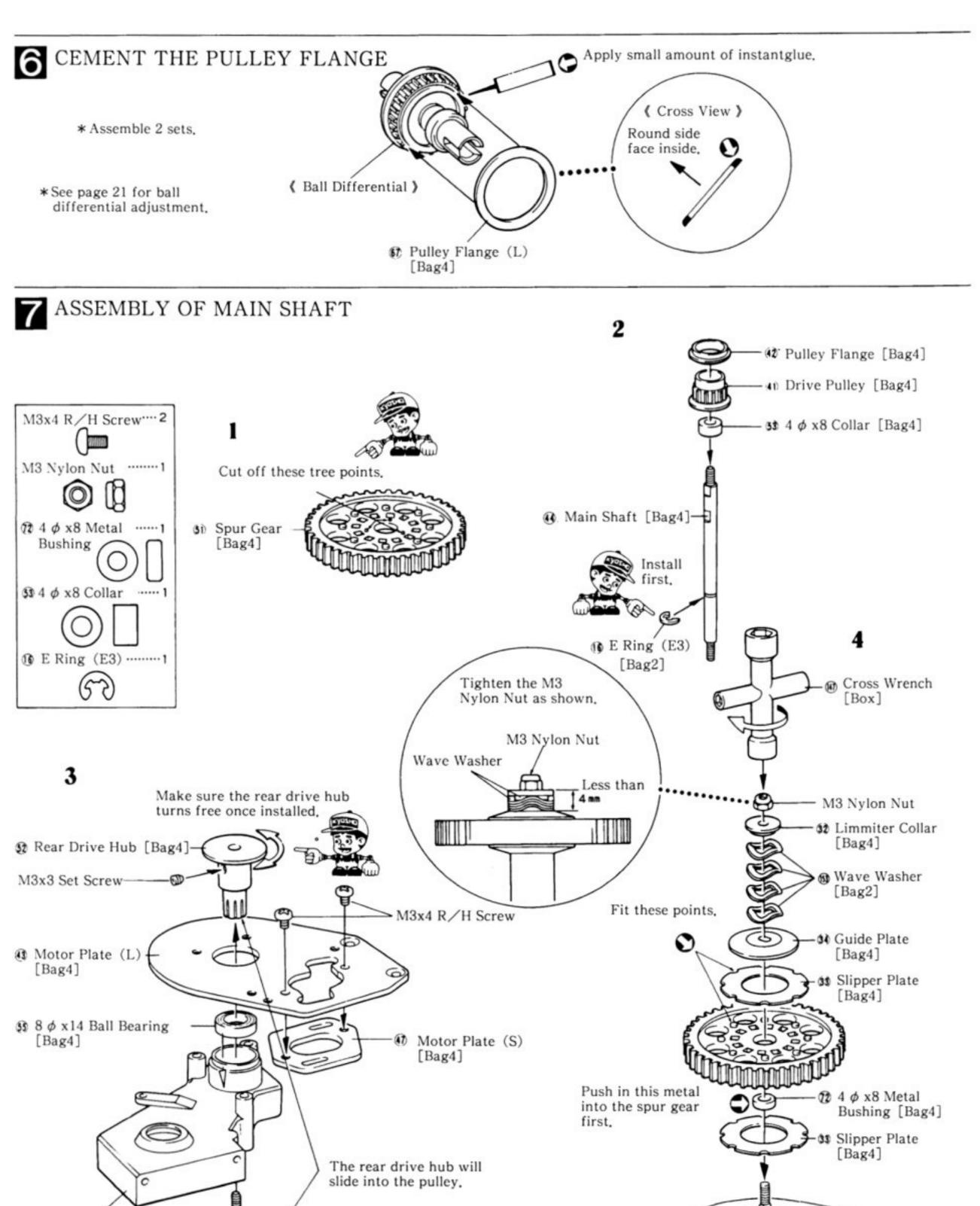
If the screw is over tightened or use with the differential turning freely, it will result to damaging the ball and plates.

Stabilize with hex wrench or screw driver.

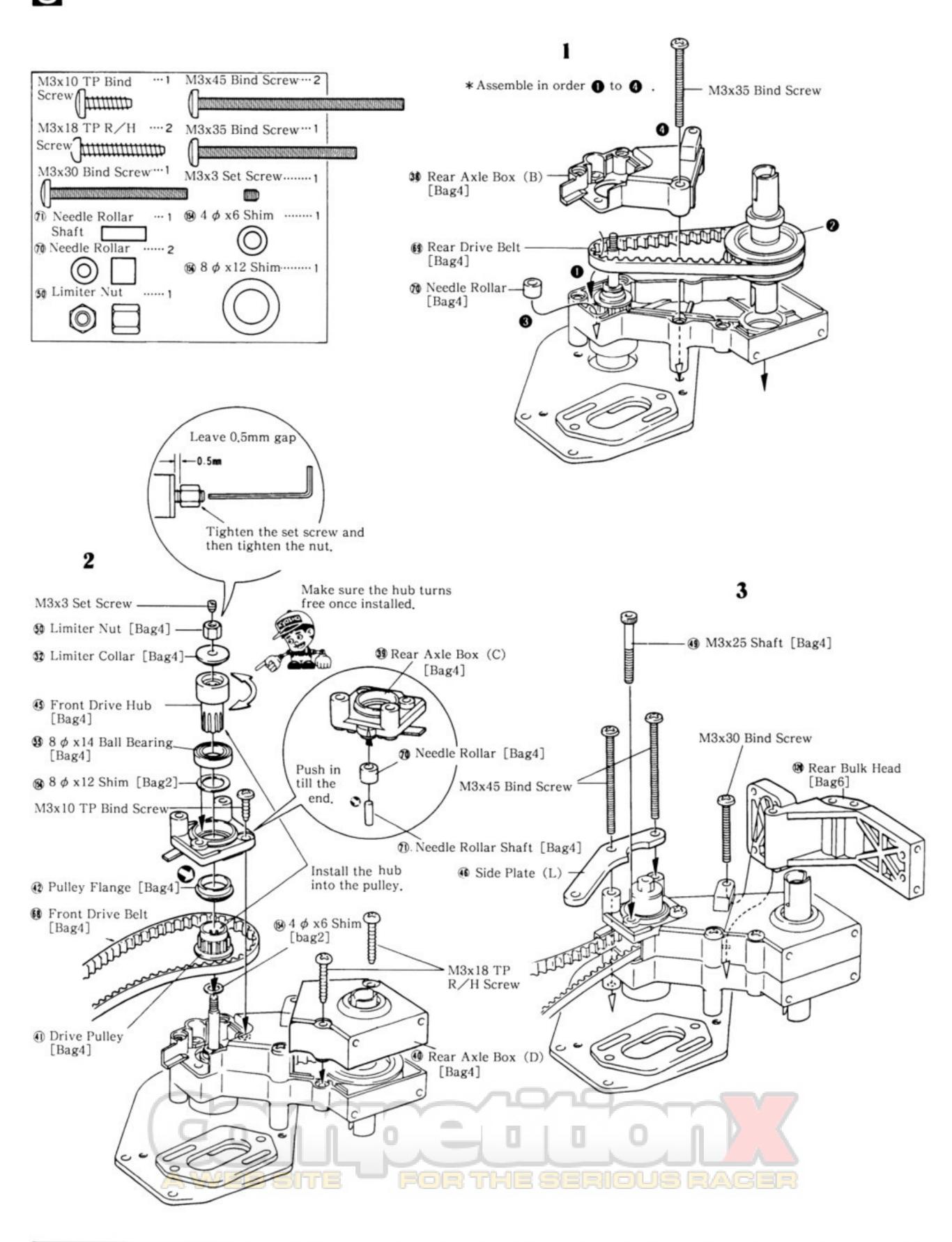
The point of adjustment is how tight the cap screw is

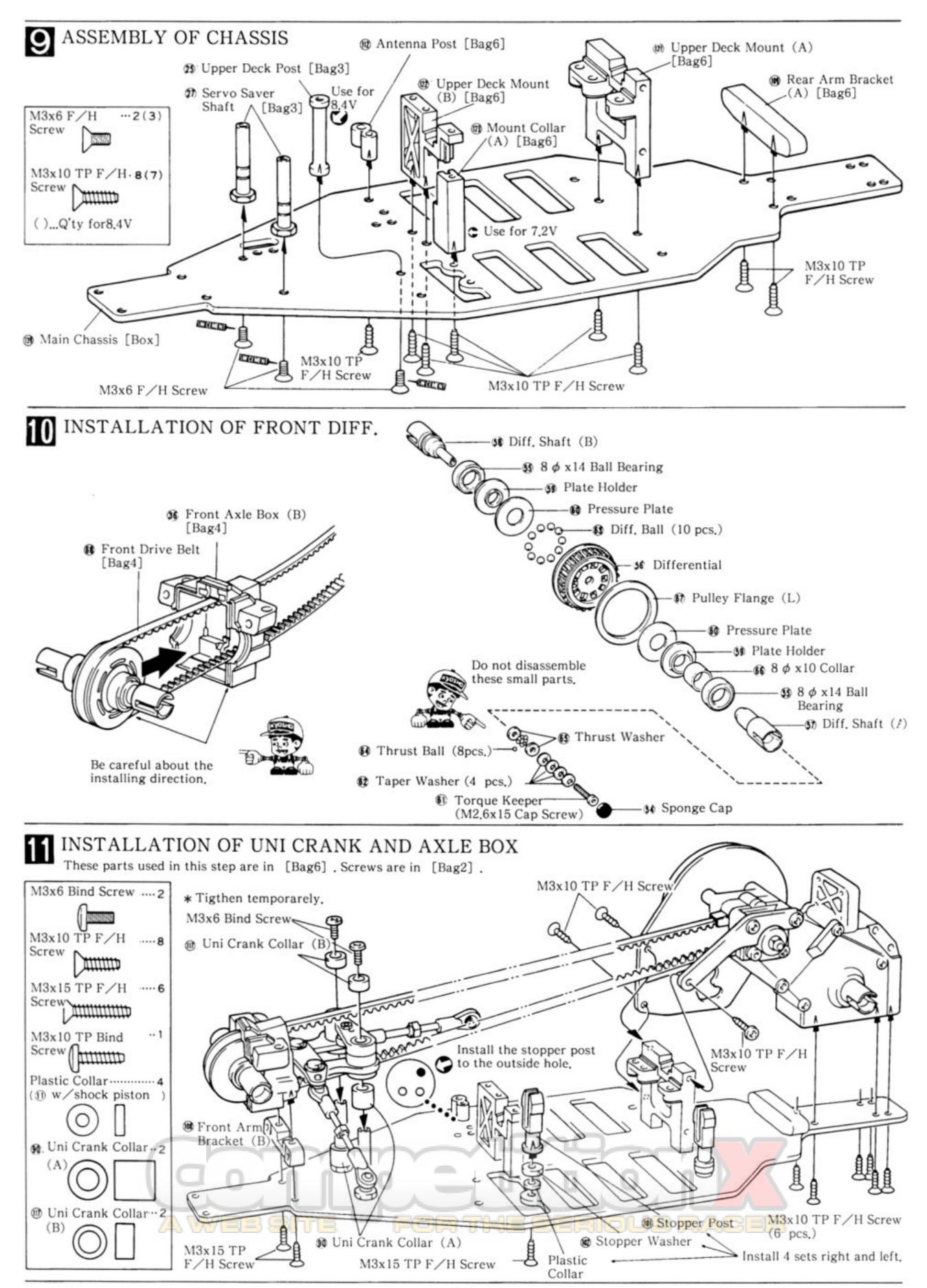


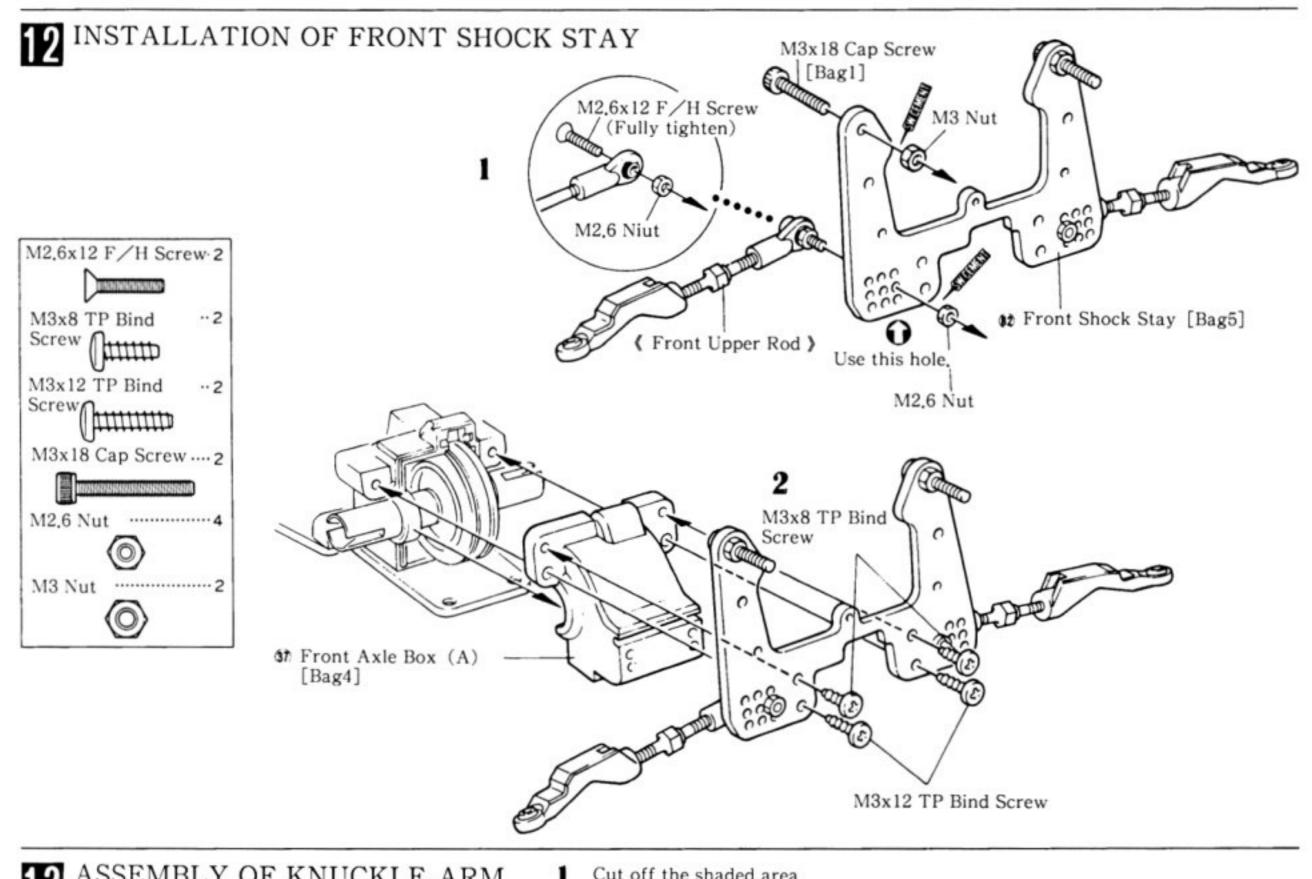
Push in

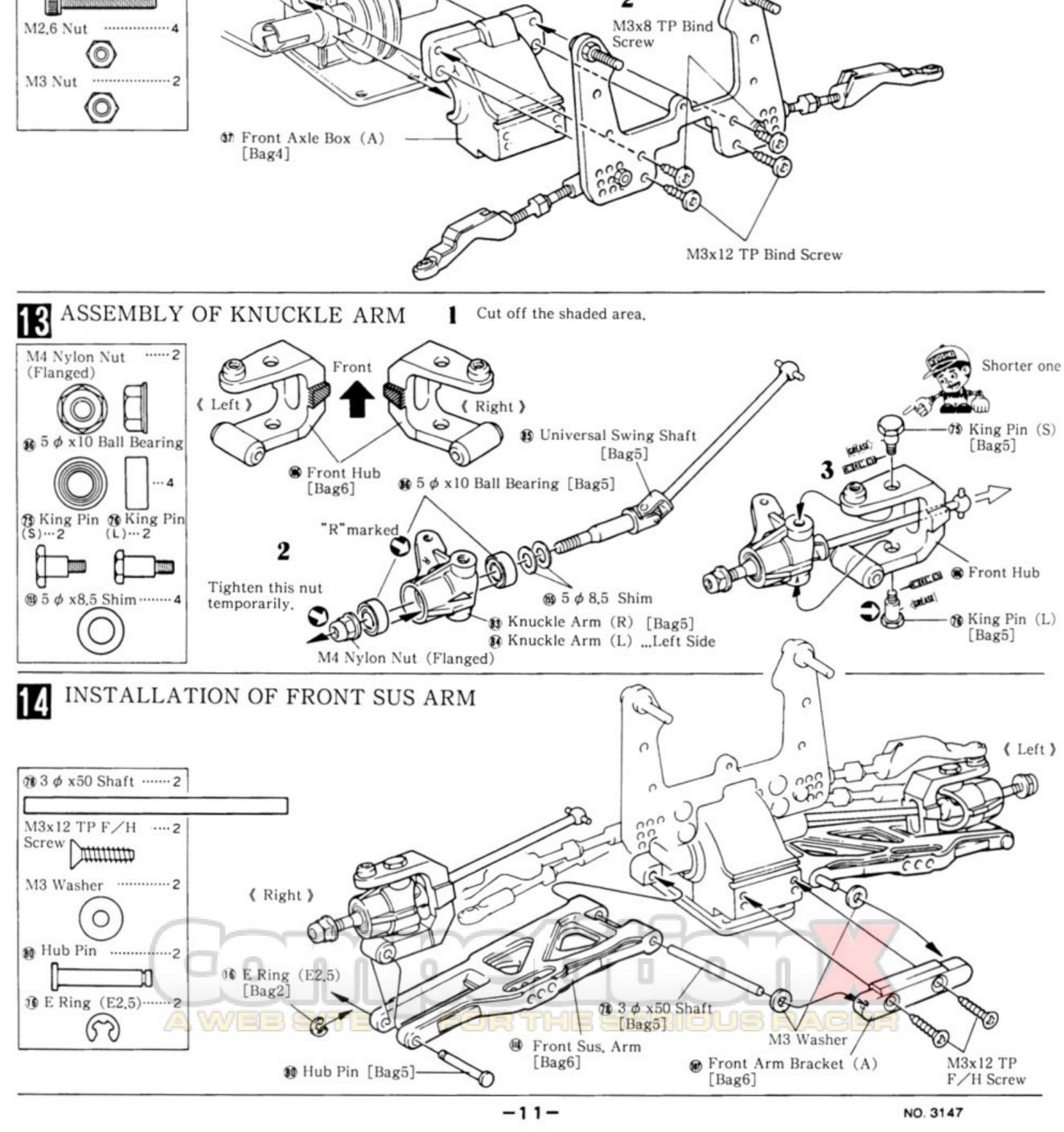


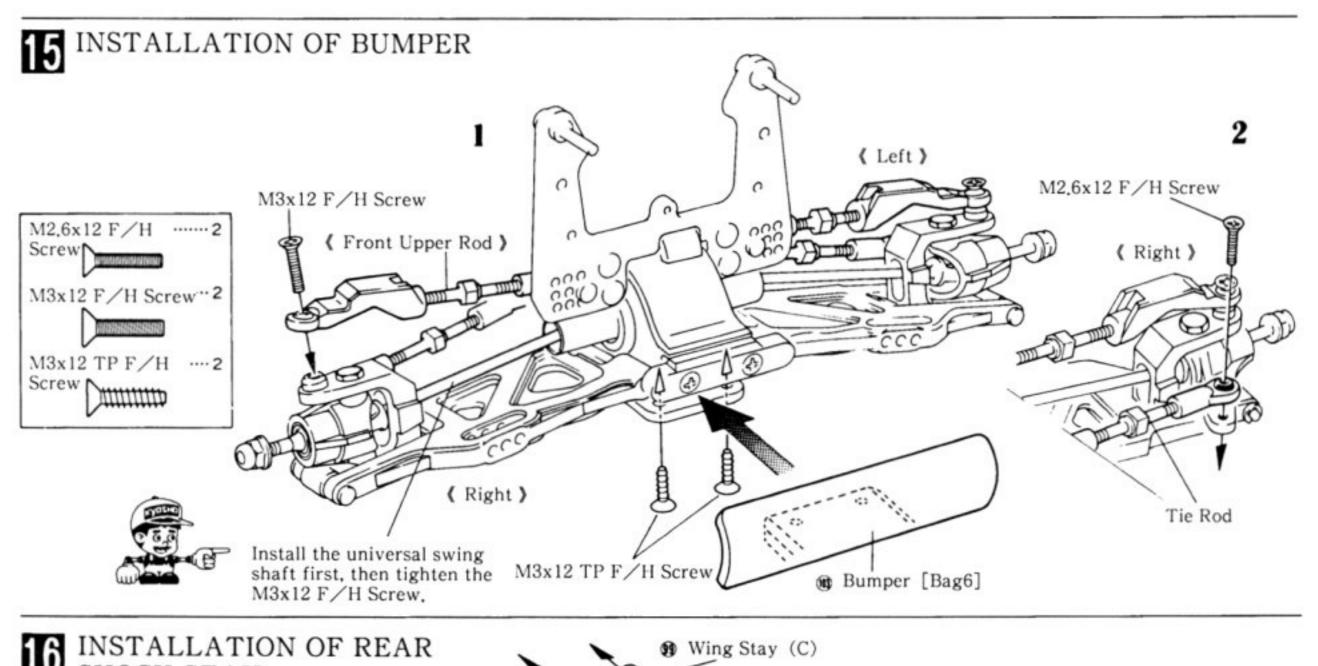
8 ASSEMBLY OF REAR AXLE BOX

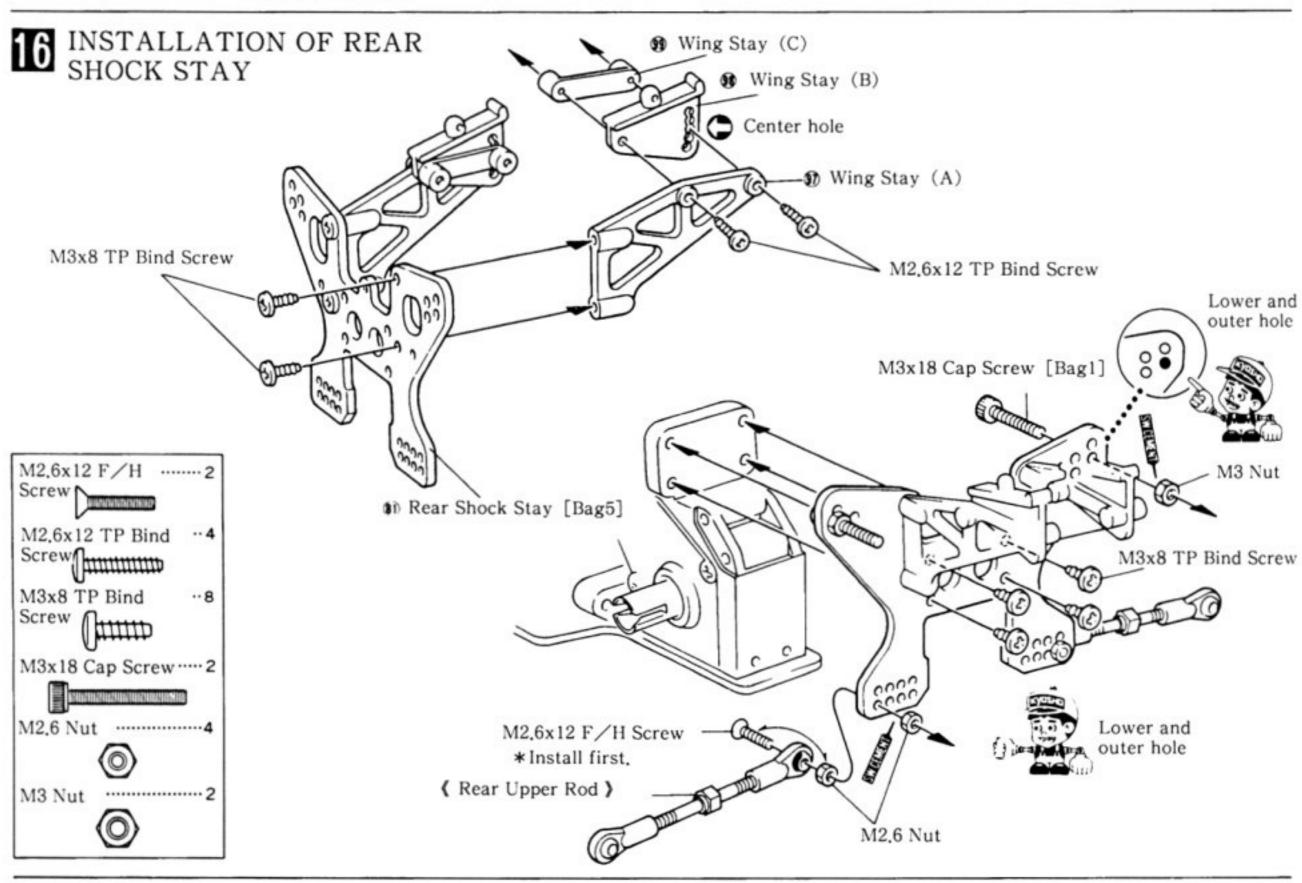


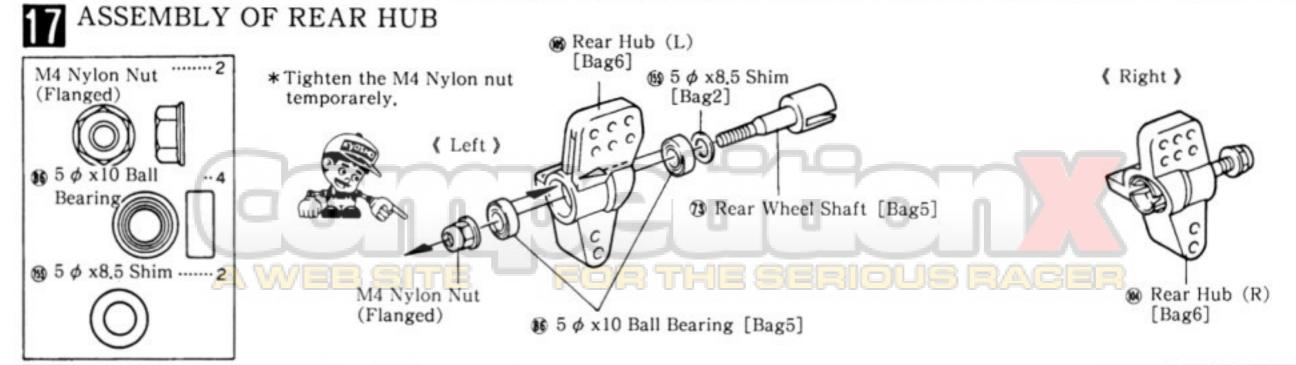


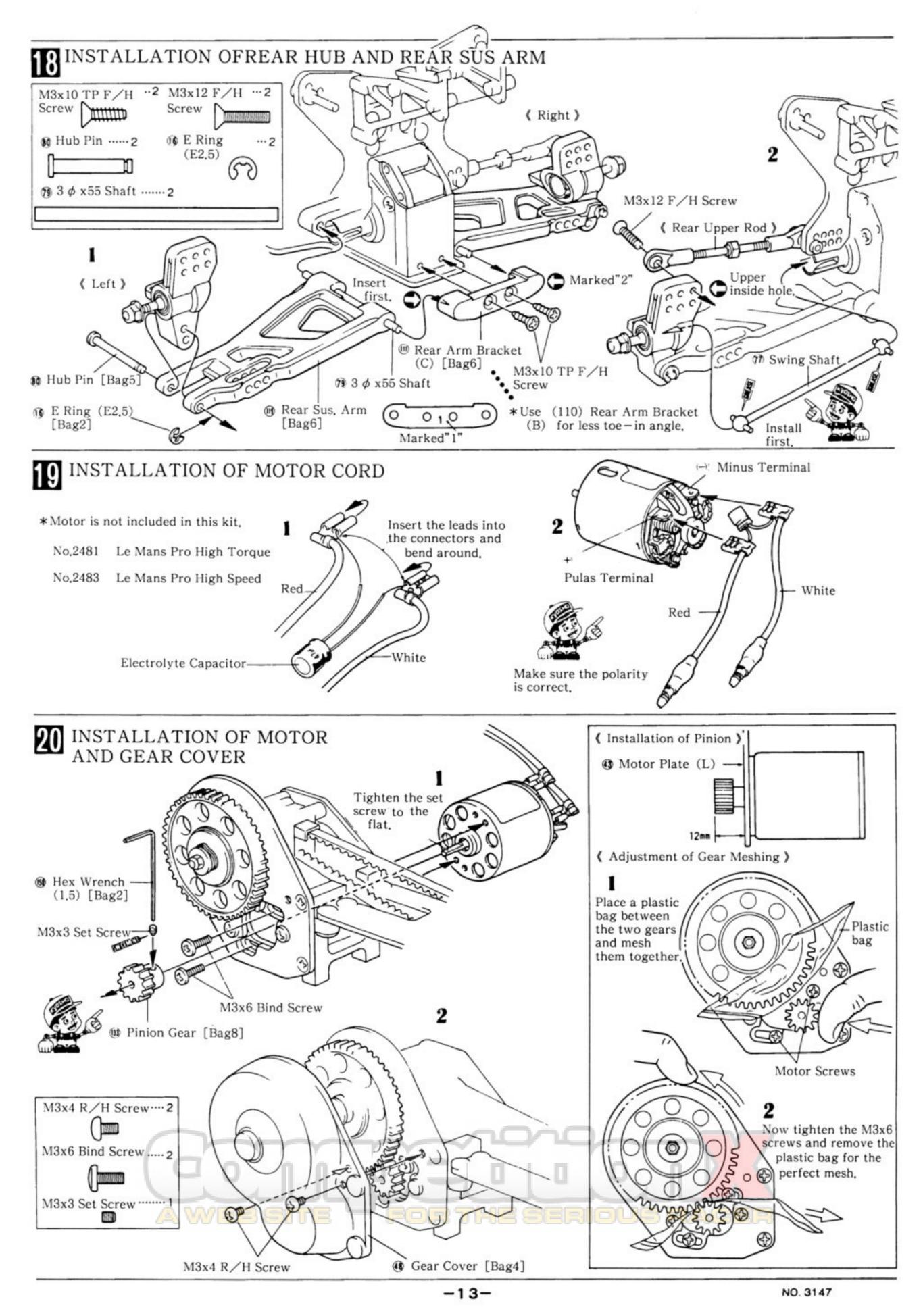


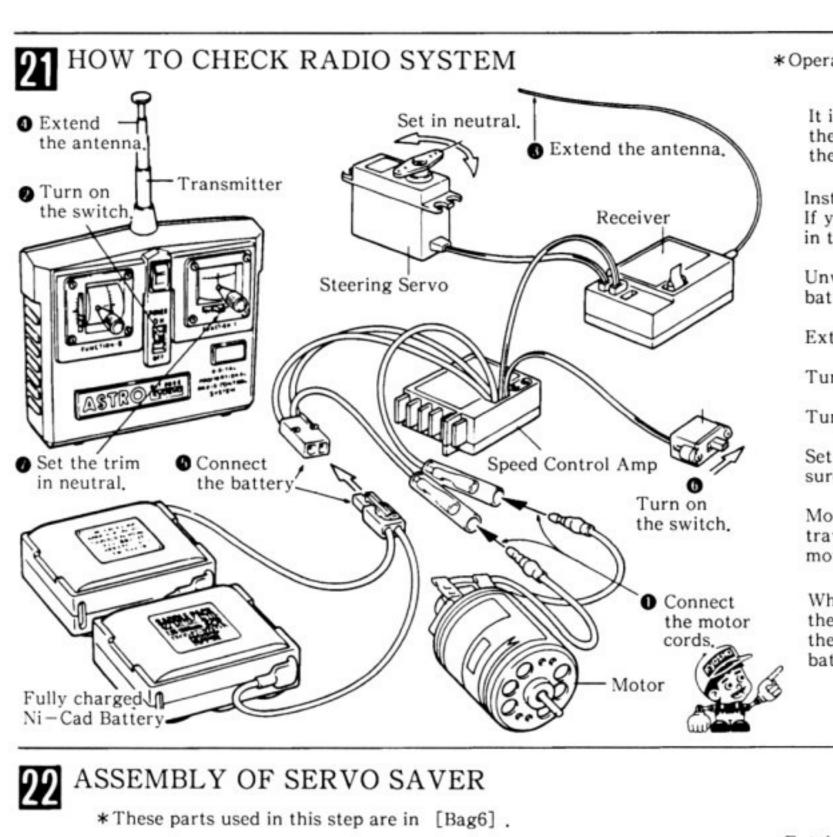












*Operate the radio system in order from 0 to 0.

It is important to always switch the transmitter on first then the receiver. When turning off the system, turn off the receiver first and then the transmitter.

Install the batteries into both the transmitter andreceiver. If your radio is a rechargeable system, charge it as outlined in the manual that came with your set.

Unwind the receiver antenna and plug the servo and battery connectors into the receiver.

Extend the transmitter antenna,

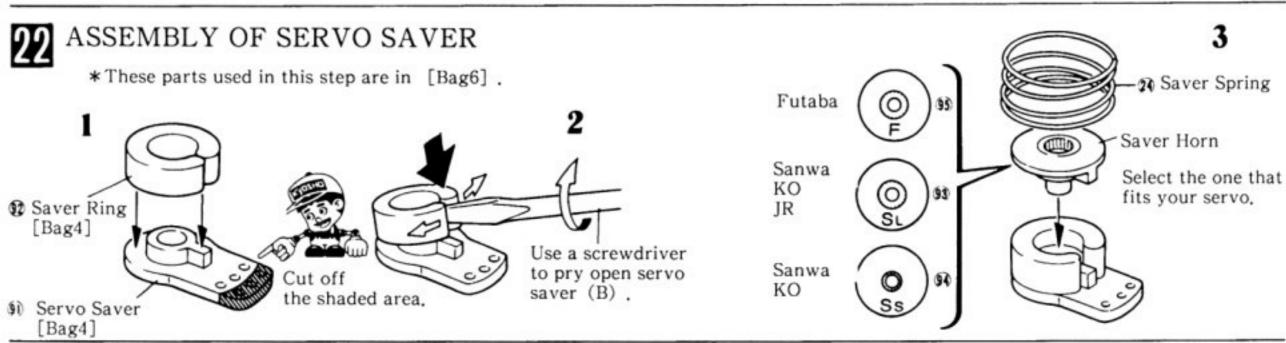
Turn on the power switch of the transmitter.

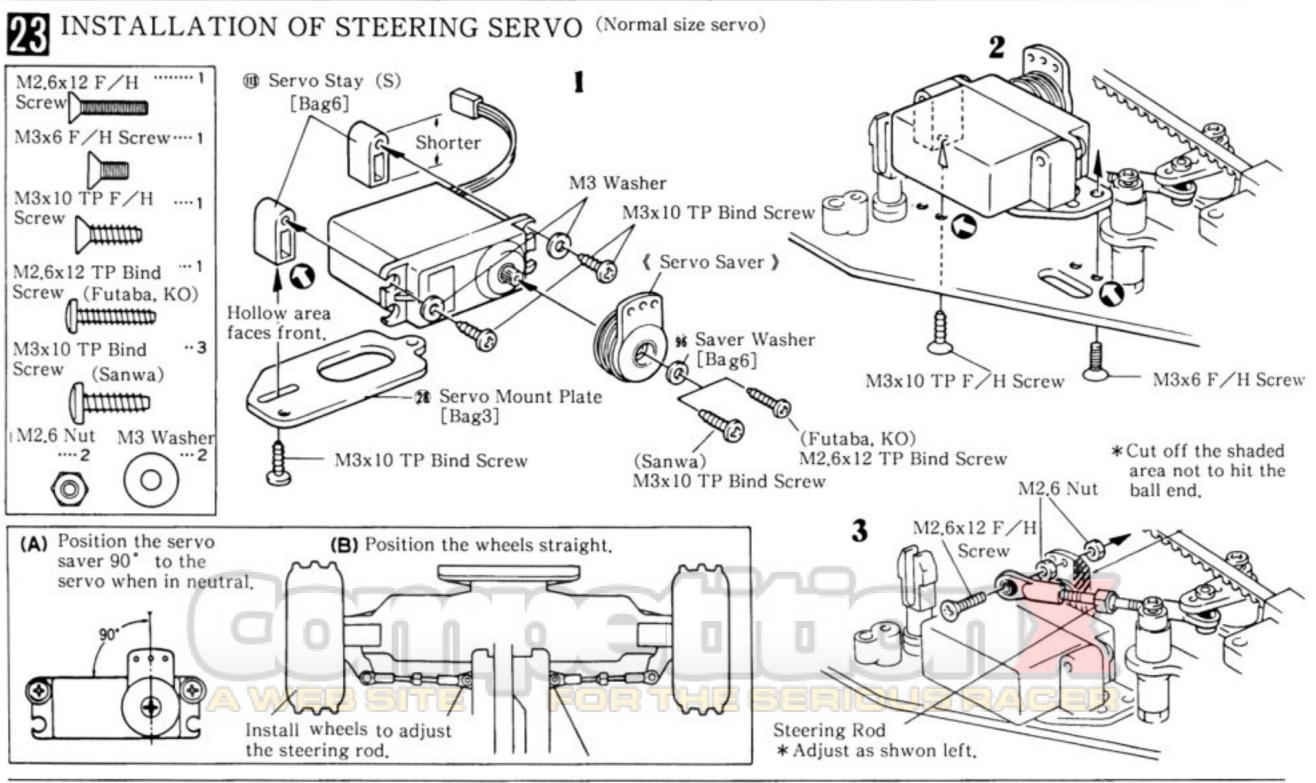
Turn on the power switch of the receiver,

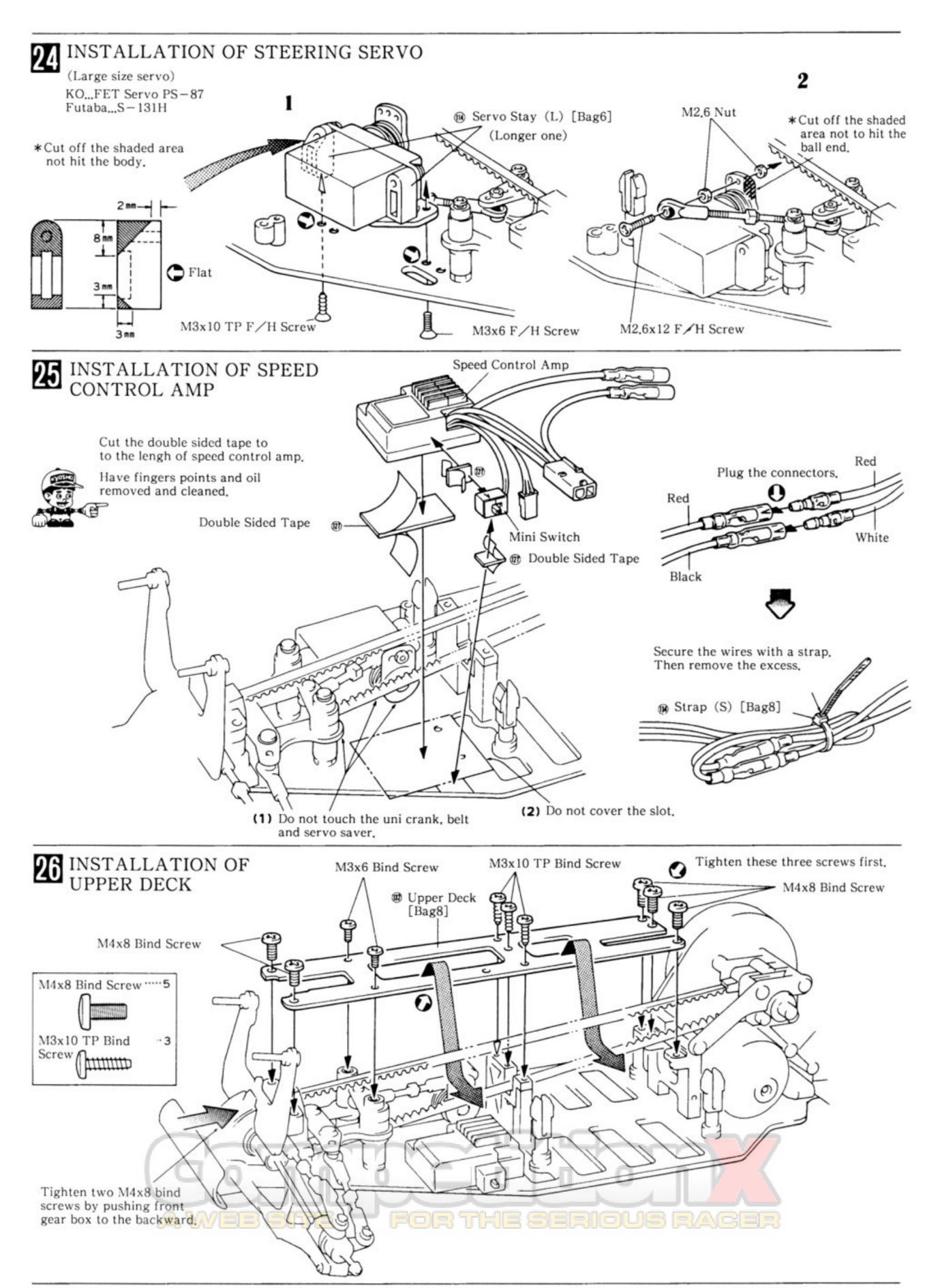
Set the small trim levers to the center position and make sure that both main control sticks are also centered.

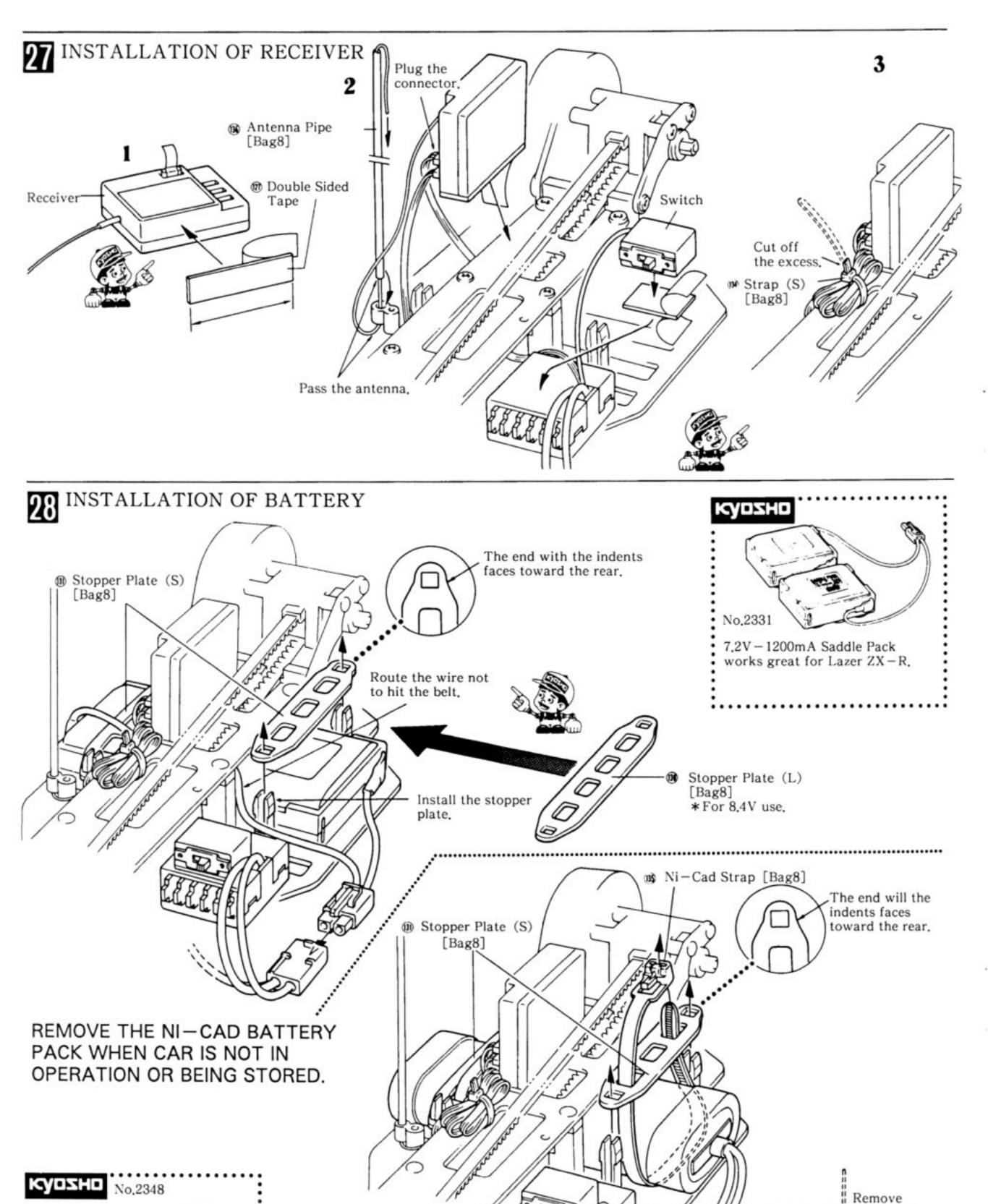
Move both main control sticks slowly through their full travel. The servo horns should move in proportion to the movement of your sticks,

When trim levers and stick are at their neutral positions, the servo horns should be centered. You may now turn off the receiver, then the transmitter and unplug the servos and battery from the speed control amp.









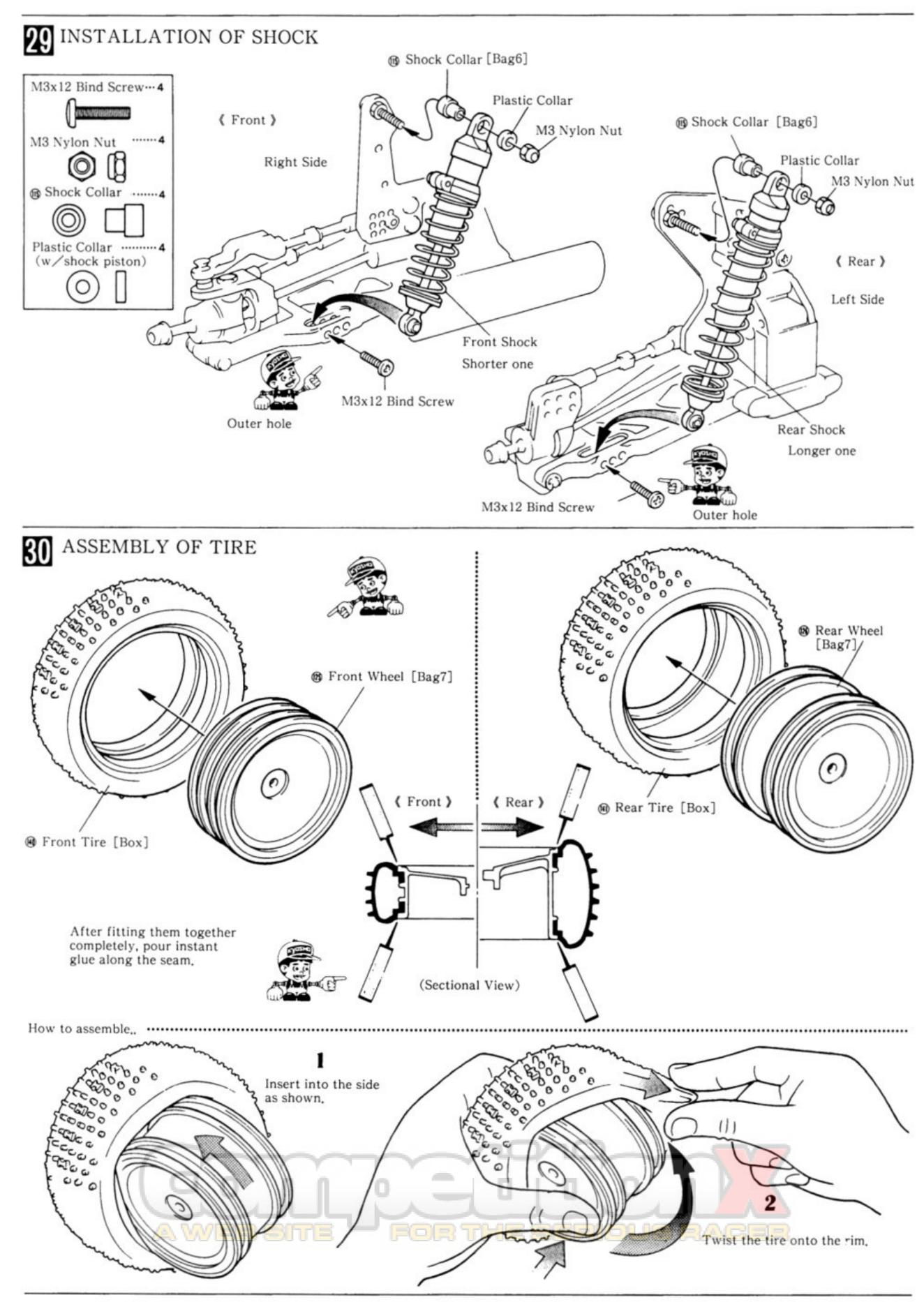
7.2V - 1700mA SCR Battery

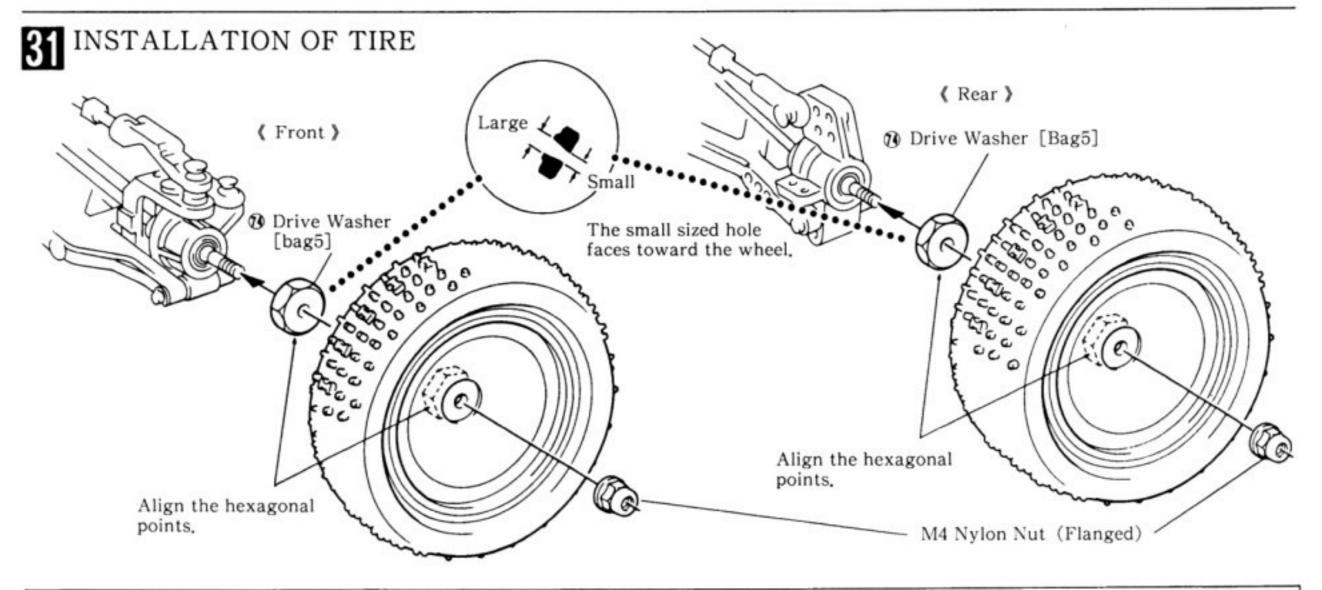
7.2V-1700mAh

" the excess

10mm

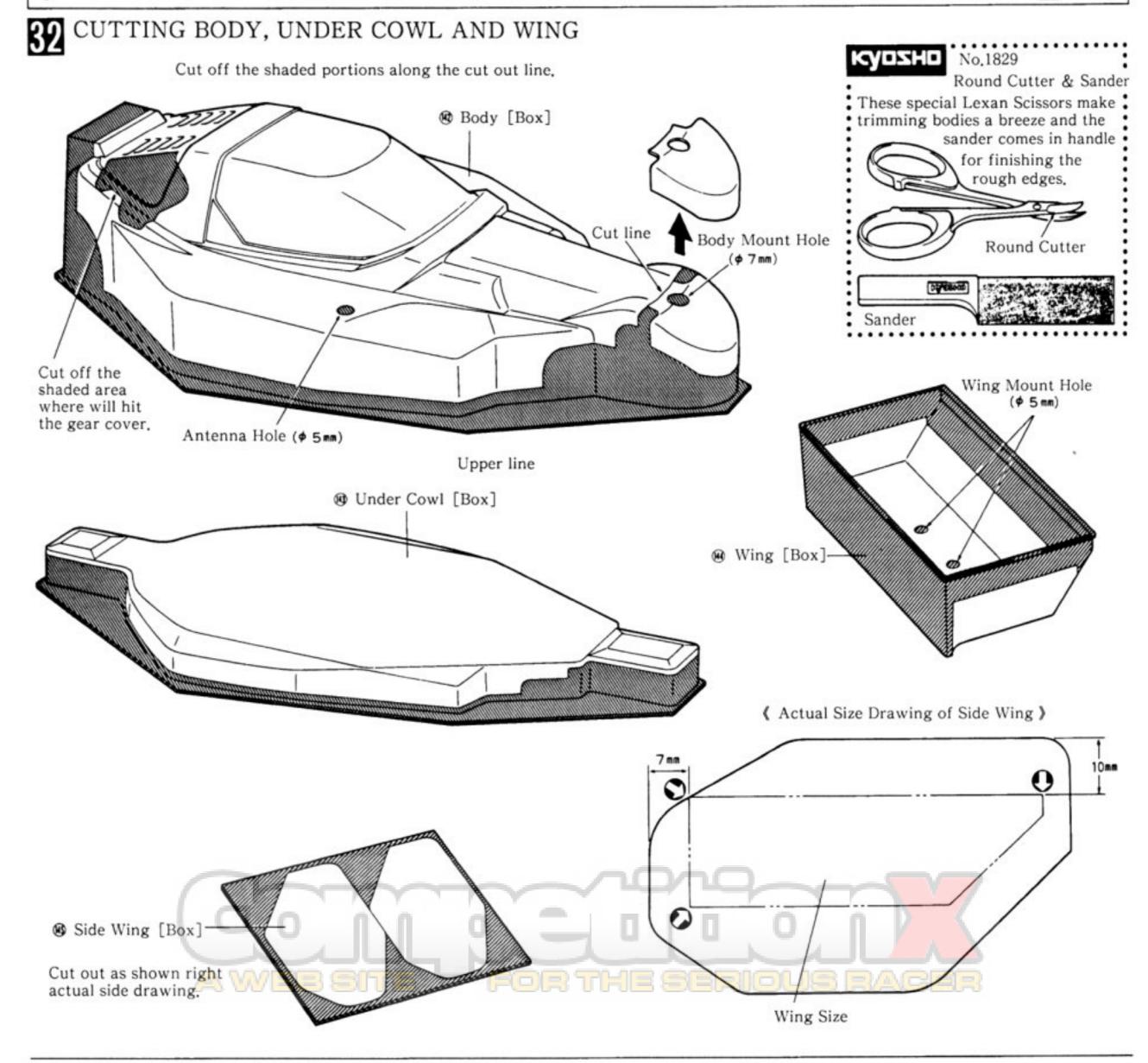
Push to release

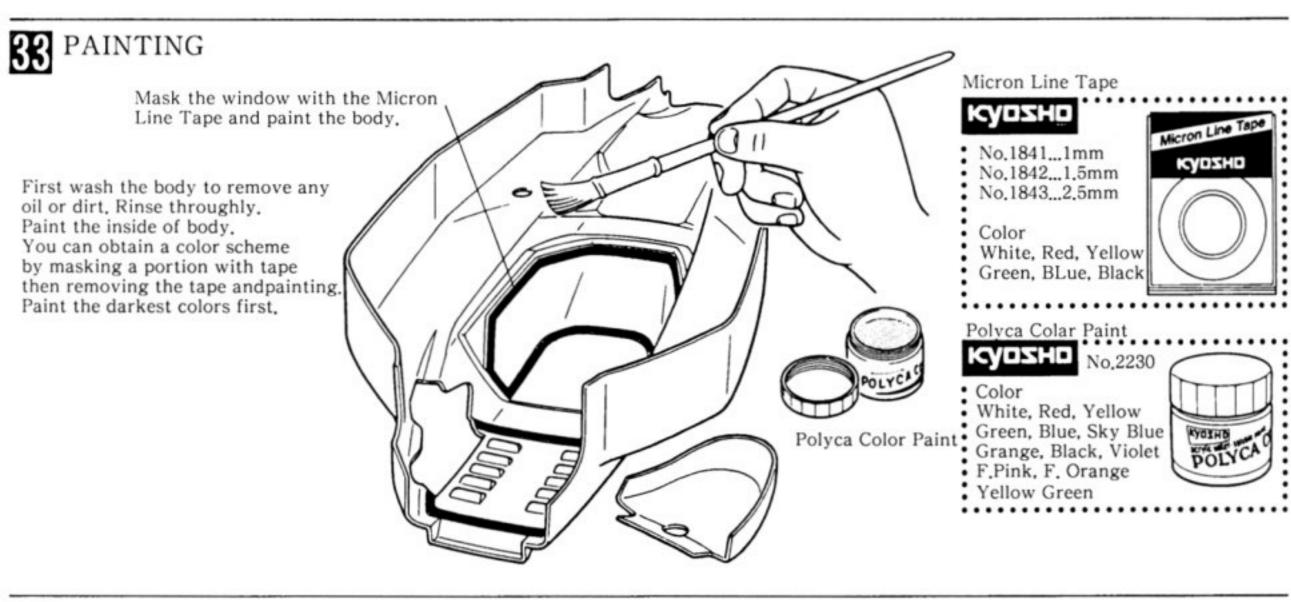


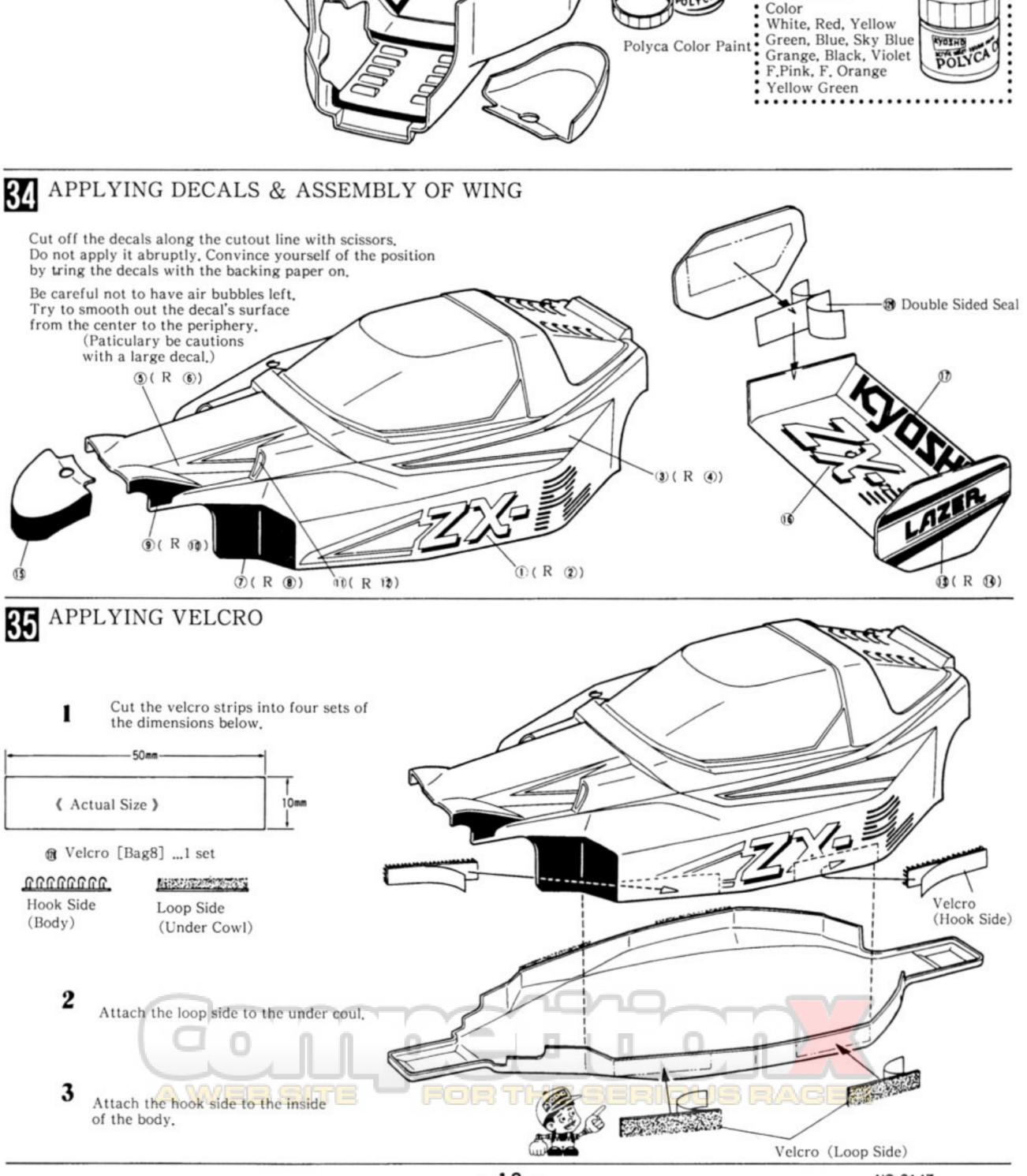


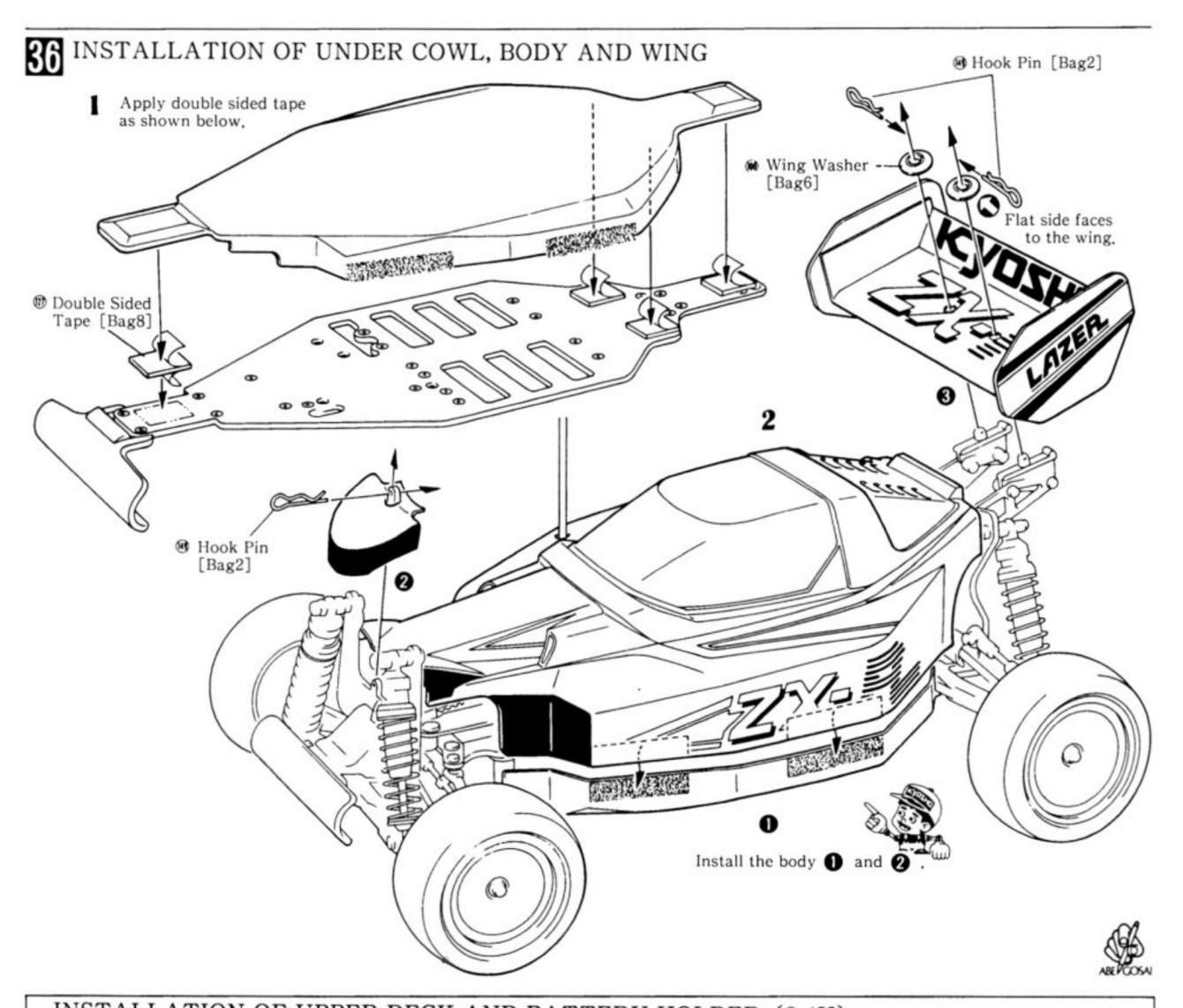
• CUTTING AND INSTALLATION OF BODY

32 - 36

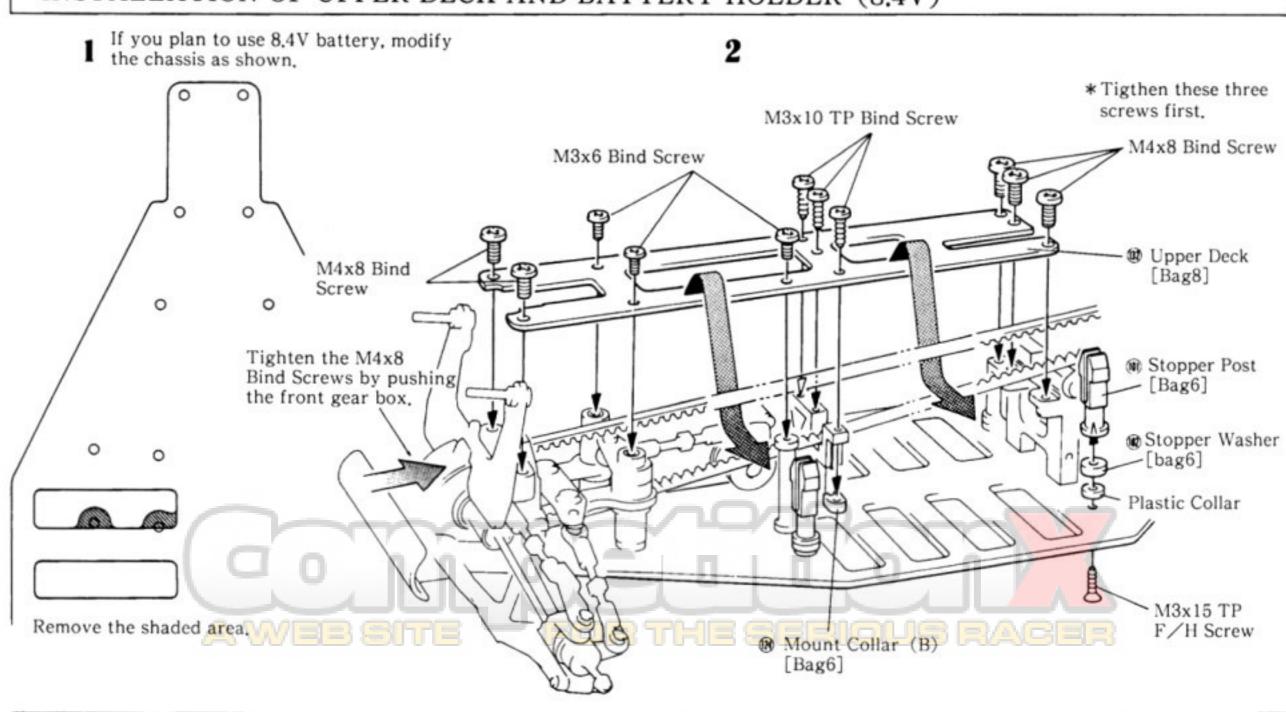








INSTALLATION OF UPPER DECK AND BATTERY HOLDER (8.4V)



LAZER ZX-R ADJUSTMENT GUIDE (1)

(Adjustment of Limitter Nut)

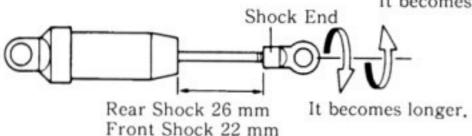
Steering response can be adjusted by the limitter nut tightening in or out.

Tighten...Slow Steering Response Remove...Sharp Steering Response

(Adjustment of Shock)

Turn the shock end in or out for the adjustment.

It becomes shorter.

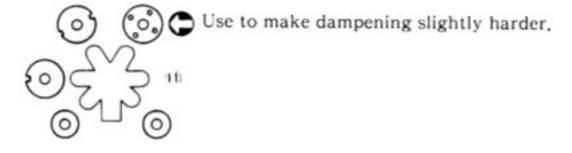


(Dampening Hardness)

By using different shock oils and pistons, the dampening can be adjusted to different track conditions.

Hardness	(larder			Softer	>
No 1951 Shock Oil (S·M·H)	Yell	ow	Gree	en	Red	d
No 1953 Silicone Oil (\$)					200 S C	100 S C
No 1954 Silicone Oil (M)			400 S C	300 S C		
No 1955 Silicone Oil (H)	600 S C	500 S C				

Shock Piston



*It is recommended to exchange the oil and shock parts to new ones when the shocks work not well.

W-5017 Pressure Top Set
W-5018 O Ring Set

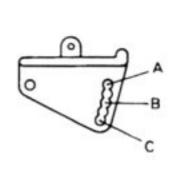
(Suspension Travel Adjustment)

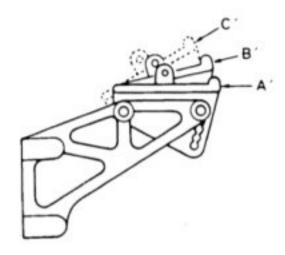
Adjust the ground clearance by changing the hardness of shock spring.

By moving the spring stopper and adjust the spring tension.

(Installing Angle of Wing)

The installing angle becomes bigger in order from A to C. (5 steps)





(Gear Ratios)

Pinion Gear	15 T	16 T	17 T	18 T	19 T	20 T	21 T
Spur Gear Ratio (48 pitch)	_	_	13.03	12.30	11.65	11.07	10.54
Spur Gear Ratio (0,6m)	12.99	12.18	11.46	10.83	10.26	9.74	9.28

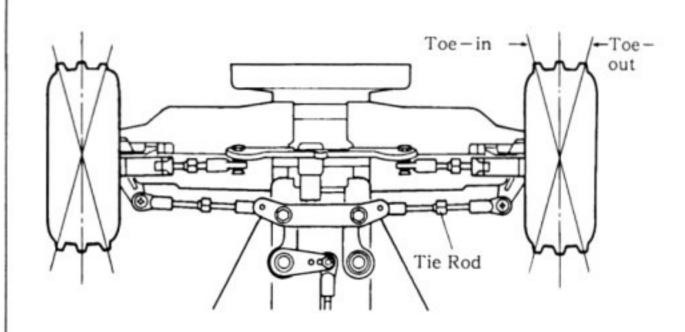
Pinion Gear	22 T	23 T	24 T	25 T
Spur Gear Ratio (48 pitch)	10.06	9.63	9.23	8.86
Spur Gear Ratio (0,6m)	8.86	8.47	8.12	7.79

There are two types of spur gear and pinion gear. Use them as a set.

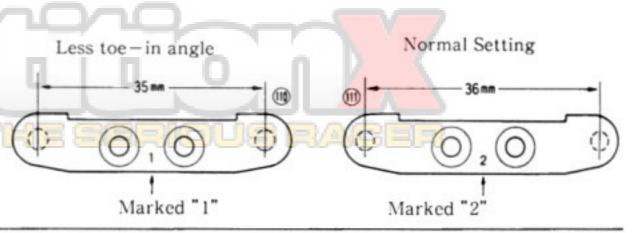
(Toe Adjustment)

Adjust the tie rods for a slight inward angle.

For good straight away handling allow for a slight toe-in adjustment.



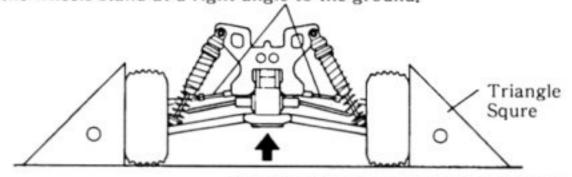
The Lazer ZX – R comes with two different rear arm brackets which allows for different toe angles at the rear.

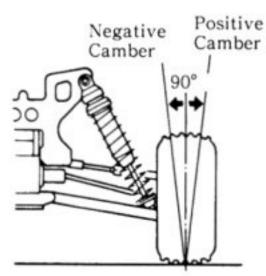


LAZER ZX-R ADJUSTMENT GUIDE (2)

(Camber Angle Adjustment)

Place the model on a flat surface, and keep the car with the maximum body clearance, and adjust length of the front and rear upper rods so that the wheels stand at a right angle to the ground.



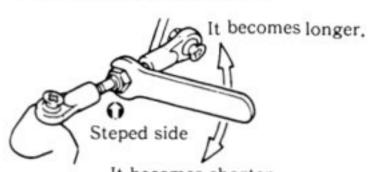


Positive Camber With negative camber adjustment on the front wheels, you will have sharper steering tendency, while on the rear wheel, the gripping power becomes higher.

By lengthening the upper rod, positive camber adjustment it gained. With positive camber on the front wheels, you will have a trail of under steering, while on the rear wheel you will have the car with over steering traits.

(Upper Rod Adjustment)

As same as tie rod, it can be adjusted in the way as shown below.

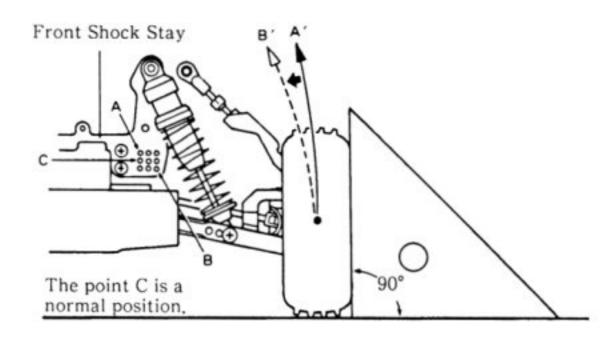


It becomes shorter.

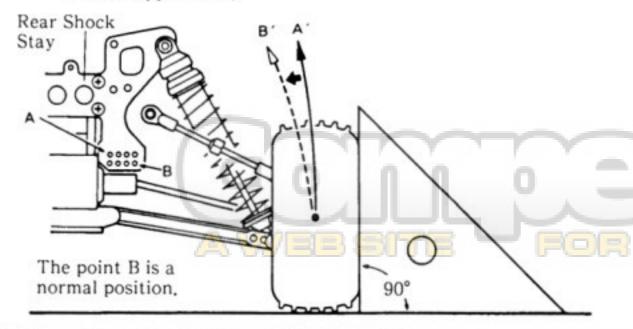
(Correlation between installing position of Upper Rod & Camber Angle)

The installing points A,B on the shock stay for the upper rod correspond to A',B' which are the maximum camber angle when the suspension arm swing down to the lowest position. Adjust the length of the upper rod depending upon the installing point.

(Front Upper Rod)

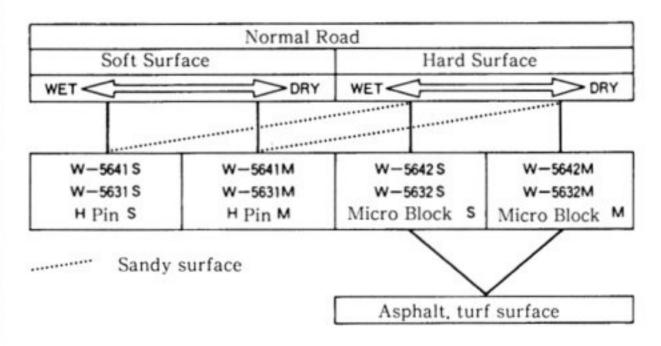


(Rear Upper Rod)



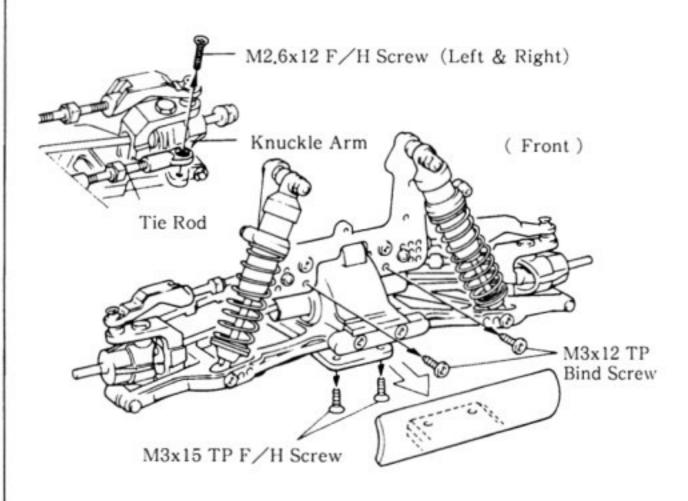
(Setting of Tire)

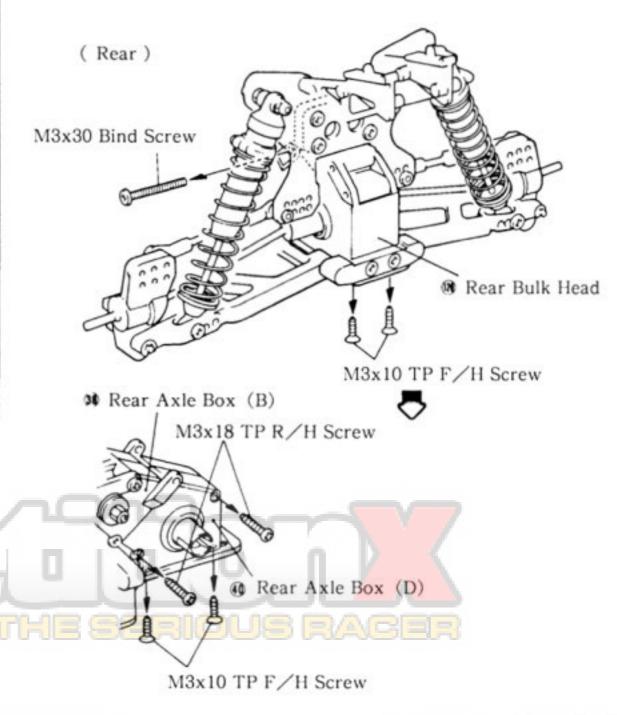
Any of the tires listed below can be used, choose the one most suitable for the road condition.

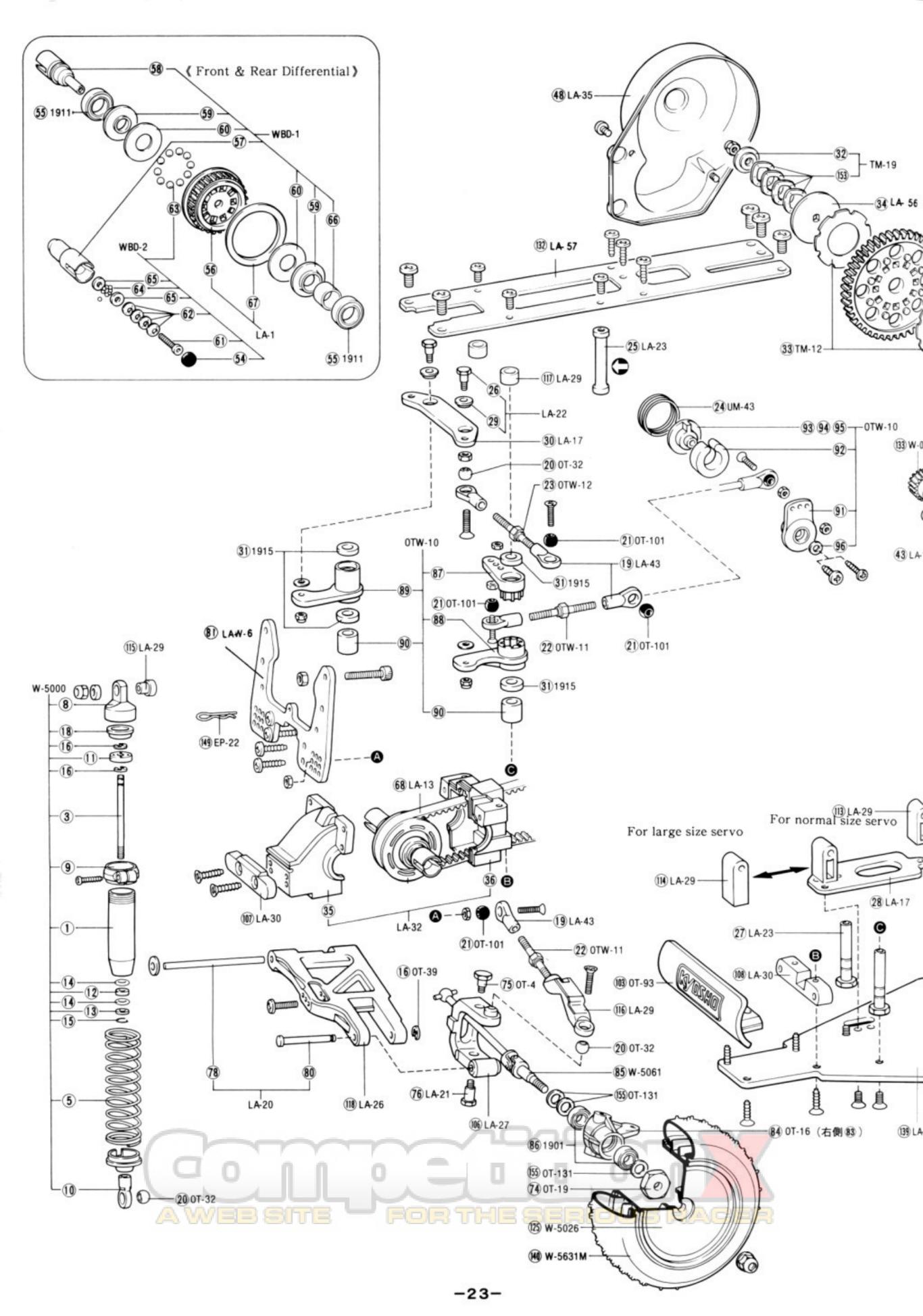


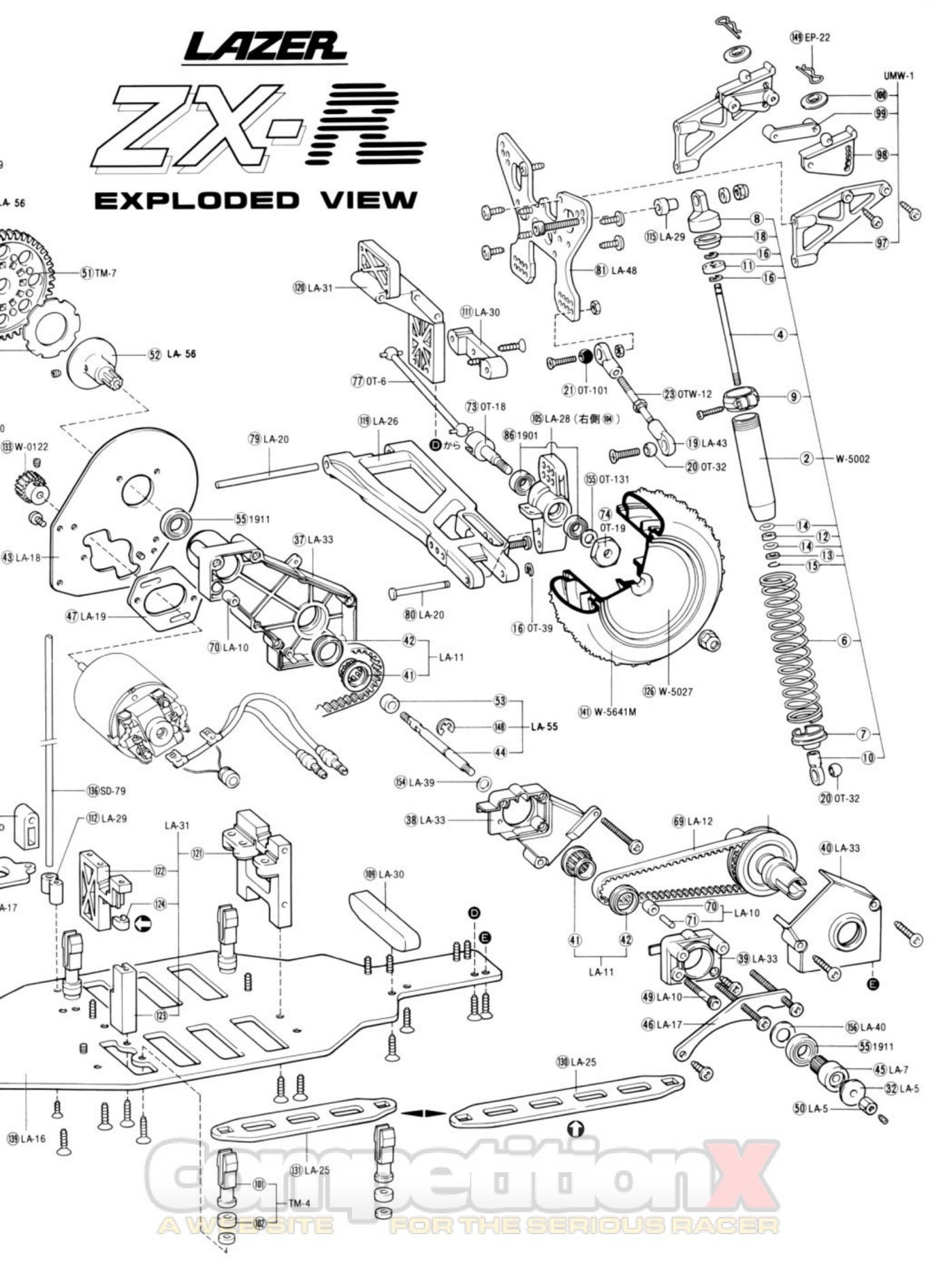
(Maintenance)

The front and rear hulk head can easily beremoved as shown below.









PURCHASABLE PARTS FOR YOUR KIT

You can purchase replacement and optional parts for your kit.
All of the parts identified by key number are usually not available singularly, but we offer these parts in convenient parts "packs" which can be purchased separately. To figure out which parts pack you need, find the key number for the part within the manual.

Then consult out part pack guide below. When reffering to the parts you need, always use the Part Pack Number. For example, if you need a King Pin (L) (Key No.76) ask your dealer for Kyosho Part Pack LA-21 (King Pin L).

No.	Parts Name	Key No. & Q'ty
LA-1	Diff, Case	⊗ ® ×1
LA-5	Guide Plate	₩×1 ₩×2
LA-7	Front Drive Hub W/One Way Clutch	€ × 1
LA-10	Belt Rollar Set	④ ①×1 ②×2
L A-11	Drive Pulley Set	① ②×2
L A-12	Rear Drive Belt	® × 1
L A-13	Front Drive Belt	⊕ ×1
L A-16	Main Chassis	⊕×1
LA-17	Plate Set	28 09 66 × 1
L A -18	Motor Plate	⊕ ×1
L A-19	Mount Plate	⊕×1
L A-20	Sus, Shaft Set	® ®×2 ®×4
L A-21	King Pin (L)	® ×4
L A -22	Steering Pin	39 39×2
L A -23	Saver Shaft Set	18 × 1 17 × 2
L A -25	Stopper Plate Set	®×1 ®×2
L A-26	Sus, Arm Set	⊕ ⊕×2
L A -27	Front Hub Carrier	®×2
L A -28	Rear Hub Carrier	® ⊗×1
L A -29	Upper Rod End Set	100 ×1 100 100 100 100 ×2 100 ×4
L A 30	Arm Bracket Set	10 00 00 00 00 × 1
L A -31	Upper Deck Mount	® ® ® ® № 1
L A -32	Front Axle Box	\$ \$ X1
L A -33	Rear Axle Box	② ③ ③ ④×1
L A -35	Gear Cover	® ×1
L A -39	4 φ Shim Set	® ×20
L A -40	8 φ Shim Set	® ×20
L A -41	Velcro	®×2
L A -43	5.8	① ×12
L A-55	Main Shaft	⊕ \$ @×1
L A -56		9 9 × 1
	Upper Deck	®×1
LAW-6		€×1
LAW-7	The circuit City	10×1
L A - 52	Dody Editer Err 10	@×1
L A - 53		@×1
L A -54	Decar Die	@×1
L A - 58		Screws, Nuts and Wrenches
TM-4	Dattery Holder Oct	® ®×4
		⑨×1 (100T−48P)
TM-12		33 × 2
		\$2 × 1
TM-28		@ @ X 1
TM-30		®×1
OT-6	King Pin	®×4
OT-16	Swing Shaft Knuckle Arm	®X2
OT-16		® ® × 1
OT-18	Rear Shaft	① × 2
OT-32	Drive Washer	®×4
OT-32	5.8 φ Ball E Ring (E2.5)	20 ×10
OT-93	Bumper	® ×10
O T -101		
O T-131	5,8 φ Ball 5 φ Shim Set	② ×10 (2.6 φ Black) ③ ×20
OTW-10		
OTW-10		er 108810233333×1 30×2
	Adjust Rod (S) (M)	②×2
	(4VI)	MY A C
OTW-12	Servo Savor Dina	A
OTW-12 UM-43	corre carer ring	8×1
OTW-12 UM-43 UMW-1	Wing Stay Set	9×1 9 9 9×2 9×4
OTW-12 UM-43	Wing Stay Set Double Sided Tape	9×1 9 9 9×2 9×4 9×1

No. 1 9 0 1 1 9 1 1 1 9 1 4 1 9 1 5 1 9 4 3 W-5000 W-5002 W-5026 W-5027 W-5061	Parts Name 5 φ x10 Ball Bearing 8 φ x14Ball Bearing 4 φ x8 Metal Bushing 5 φ x8Metal Bushing Cross Wrench Pressure Shock (M)	
1 9 1 1 1 9 1 4 1 9 1 5 1 9 4 3 W-5000 W-5002 W-5027 W-5061	8 φ x14Ball Bearing 4 φ x8 Metal Bushing 5 φ x8Metal Bushing Cross Wrench	
1 9 1 4 1 9 1 5 1 9 4 3 W-5000 W-5002 W-5027 W-5061	4 φ x8 Metal Bushing 5 φ x8Metal Bushing Cross Wrench	② × 10 ③ × 10 ⑥ × 1
1 9 1 5 1 9 4 3 W-5000 W-5002 W-5027 W-5061	5 φ x8Metal Bushing Cross Wrench	⑤ ×10 ⑥ × 1
1 9 4 3 W-5000 W-5002 W-5026 W-5027 W-5061	Cross Wrench	®×1
W-5000 W-5002 W-5026 W-5027 W-5061		
W-5002 W-5026 W-5027 W-5061	Pressure Shock (M)	
W-5002 W-5026 W-5027 W-5061	Pressure Snock (M)	1 3 5 7 8 9 10 10 12 13 18 X 2
W-5026 W-5027 W-5061		13 13 13×4
W-5026 W-5027 W-5061	75.3	200700000000X2
W-5027 W-5061	• (L)	19 13 16×4
W-5027 W-5061	Narrow Wheel 56	®×2
W-5061	Wheel (•)	® × 2
-	Universal Swing Sha	
W-	Narrow Tire 56 size	
5631M	Medium H Pin	®×2
w-	Tire 56 size	@×2
5641M	Medium H Pin	872
WB D-1	Ball Diff, Shaft Plate Set	Φ Φ Φ × 1 Φ Φ × 2
WBD-2	Ball Diff, Ball Set	90 ×1 10 ×2 €2 ×10 €1 ×12
E F -37		®×6
E F -39	Ni-Cad Strap	®×6
	Hook Pin	⊕×5
S D -79		®×5
30-79	Antenna Fipe	9.49
	Ontional Pasts	
1 4111 0	Optional Parts	
L AW-2	Stabilizer Set	
LAW-3	Carbon Main Chassis	
W-0117	Hard Pinion Gear	Hard
W-0125	(17T-48P~25T-48P)	
WBD-4	Pressure Plate	6 × 2
1877	Ball Diff, Grease	
1883	Frontier Hobby Oil	30 cc
1902	5 φ x8 Ball Bearing	Replace (31)
1903	4 φ x8 Ball Bearing	Replace (72)
1951	Shock Oil (S,M,H)	Soft, Medium, Hard Set
1953	Silicone Oil (S)	Soft
1954	• (M)	Medium
1955	• (H)	Hard
W-5016	Plastic Parts Set for Pressure Shock	7 9 10 11 X 2
W-5017	Pressure Top Set for Pressure Shock	1€×10
W-5018	O Ring Set	12 15×2 16 15×4
141 5000	for Pressure Shock	
W-5036	Inner Sponge	2 pcs.
W- 5631 S	Narrow Tire 56 size H Pin Soft	
W- 5632 S	Narrow Tire 56 size Micro Block Soft	
W- 5632M	Narrow Tire 56 size Micro Block Medium	
W-		
5641 S	Tire 56 size H Pin Soft	
W- 5642 S	Tire 56 size Micro Block Soft	-T77
W- 5642M	Tire 56 size Micro Block Medium	
LA-2	Spur Gear	
The same of the sa	Hard Pinion Gear	(Record
W-5085	(15T~25T)	Use as a set
W-5085 W-5095		

-25- NO. 3147

-The Super Hobby-



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PRINTED IN JAPAN

ACF 4T



SUPPLEMENTARY INSTRUCTIONS FOR NO.3147 LAZER ZX-R

PLEASE USE THIS SUPPLEMENTARY INSTRUCTION MANUAL CONJUNCTION WITH THE MANUAL WITH YOUR KIT.

Page 3,4 BAGGED PARTS LIST (1) (2)

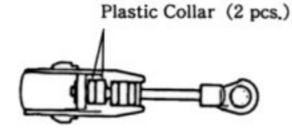
Correct the bagged parts list as shown below.

Bag No.	Key#	Parts Name	Q'ty	
ZXR-2	149	Hook Pin	3	Q'ty 3 → 7
100	153	Wave Washer	4	Q'ty 4 → 0 (Not using)
ZXR-3	19	5.8mm Ball End	12	Q'ty 12 → 16
	22	3x32 Adjust Rod	3	Q'ty 3 → 1
	25	Upper Deck Post	1	Q'ty 1 → 0 (Not using)
	157	3x50 Adjust Rod	2	Additional Parts
	158	M3 Tapered Washer	4	Additional Parts
ZXR-4	32	Limmiter Collar	2	Q'ty 2 → 1
	47	Motor Plate (S)	1	Q'ty 1 → 0 (Not using)
	47	Plate Collar	1	Additional Parts
	159	Slipper Adjust Spring	1	Additional Parts
ZXR-6	160	Rear Hub Plate (R)	1	Additional Parts
	161	Rear Hub Plate (L)	1	Additional Parts
ZXR-8	130	Stopper Plate (L)	1	Q'ty 1 → 0 (Not using)
	153	Motor Spacer	1	Additional Parts

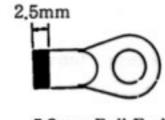
FILLING THE SHOCK OIL

Before filling the shock oil, remove the shock end and the shock shaft. Install 2 pcs. of plastic collar (with shock piston) as shown below.

Then replace the shock end to the 5.8mm Ball End.



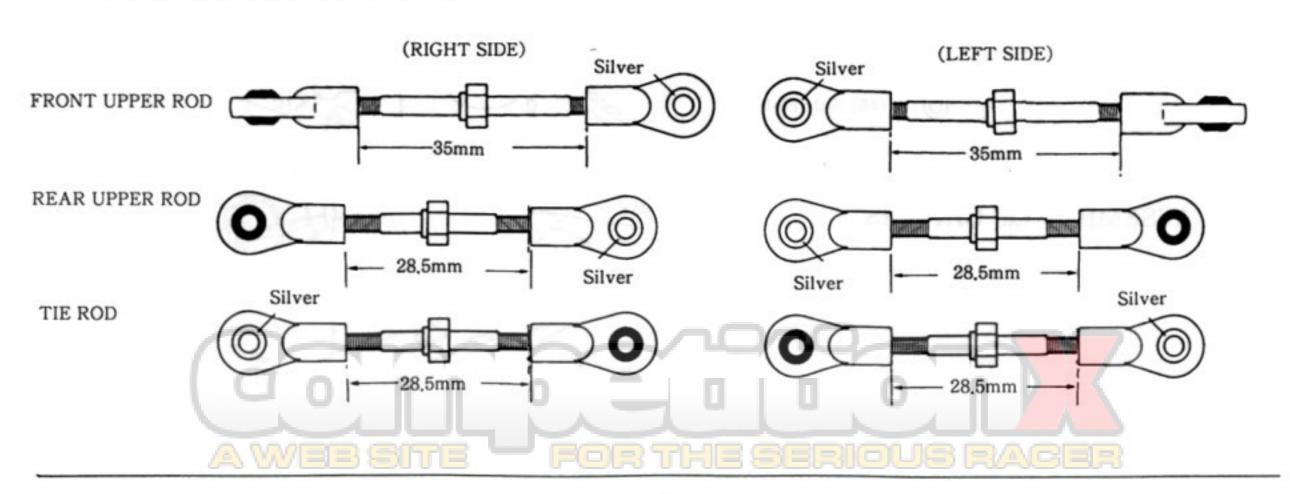
Cut off the shaded area,



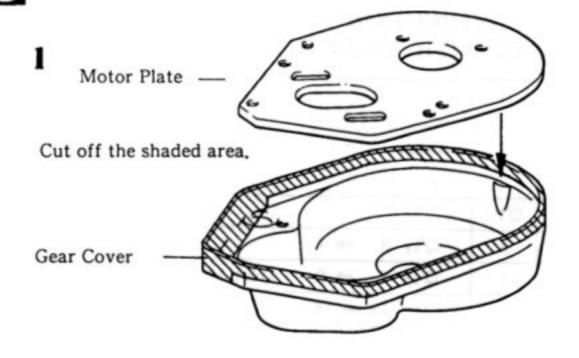
5,8mm Ball End

2 ASSEMBLY OF CONTROL ROD

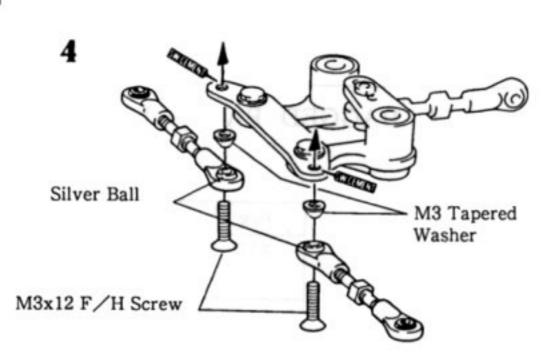
Assemble the control rods as shown below.



CUTTING GEAR COVER



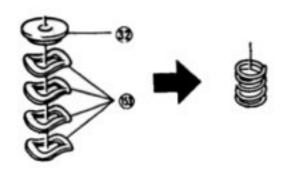
ASSEMBLY OF UNI CRANK



7

ASSEMBLY OF MAIN SHAFT

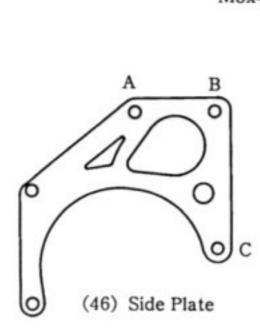
- (3) The motor plate (key no.47) is not used.
- (4) Install key no,159 Slipper Adjust Spring insted of the Limmiter Collar and the Wave Washers,

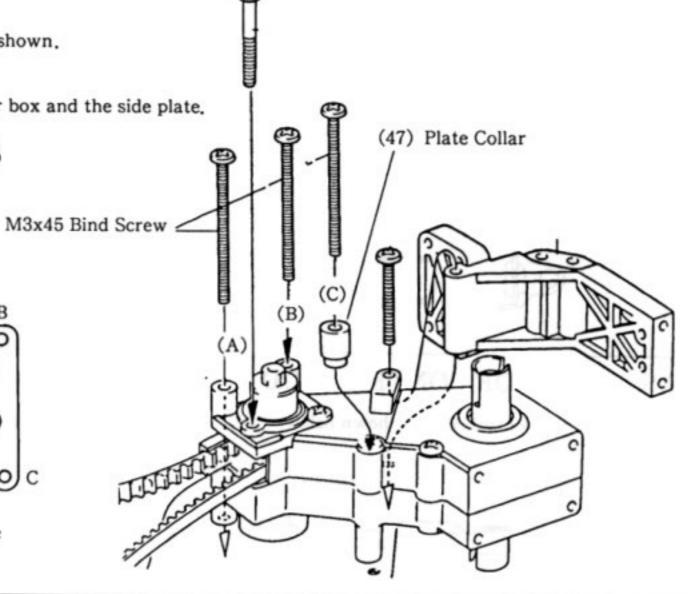


ASSEMBLY OF REAR ALXE BOX

- Install the M3x45 Bind Screw in step 3 as shown.
 (Installing holes A, B, C)
- (2) Install (47) Plate Collar between the gear box and the side plate.

3





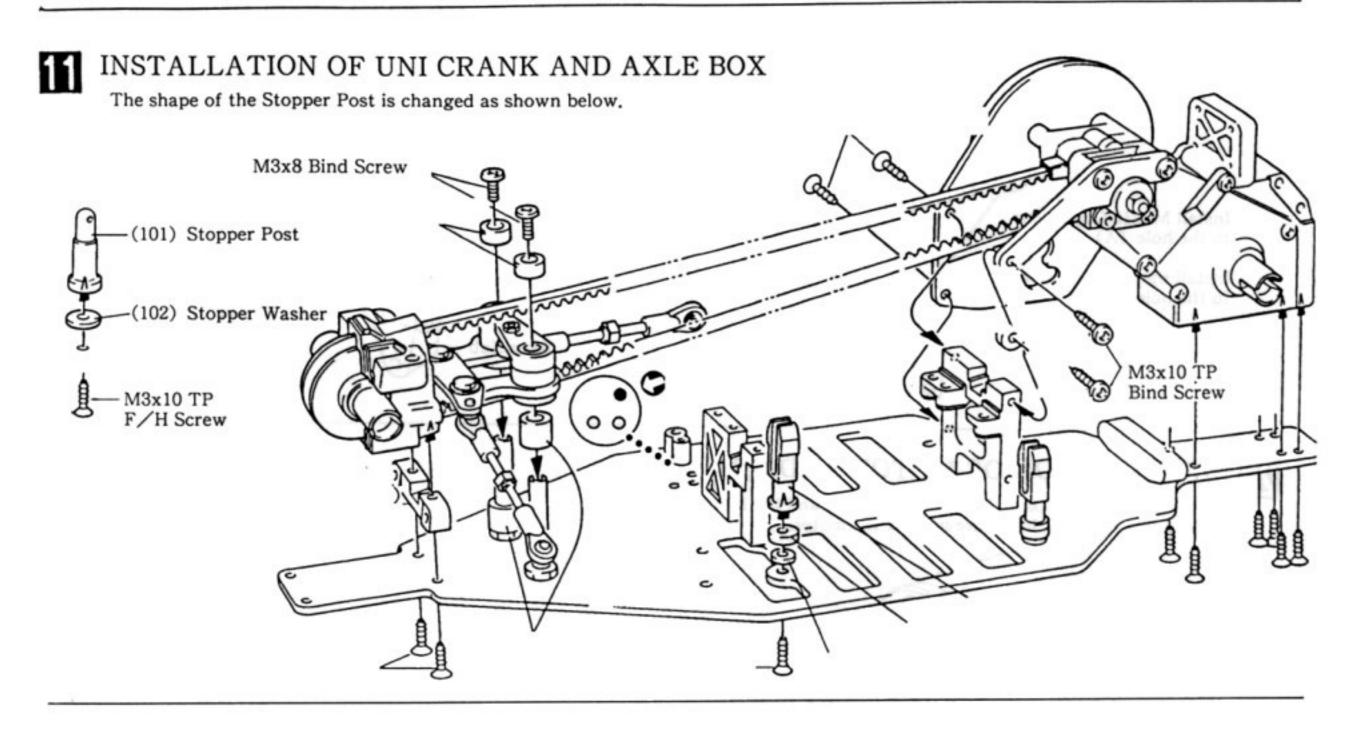
9

ASSEMBLY OF CHASSIS

The chassis is designed to use 7.2V Ni-Cad Battery.

The Upper Deck Post is not used.



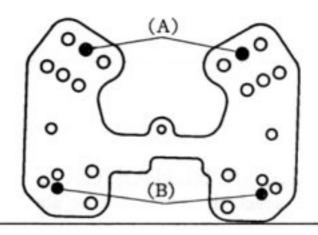


12 INSTALLATION OF FRONT SHOCK STAY

The shape of the Front Shock Stay is changed as shown'.

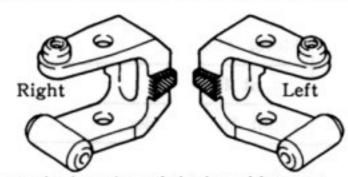
Install the M3x18 Cap Screws to the holes (A).

Install the Front Upper Rods to the holes (B).

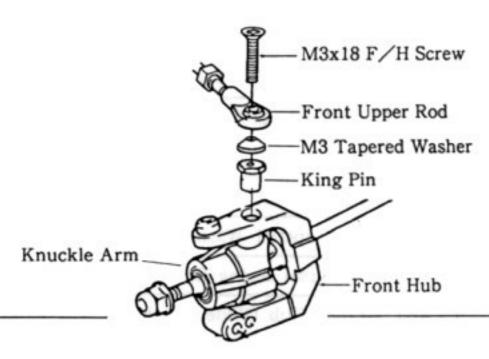


3 ASSEMBLY OF KNUCKLE ARM

(1) Not need to cut off the shaded areas of the Front Hubs,



(2) Be careful about the location of the knuckle arms,



INSTALLATION OF FRONT SUS ARM

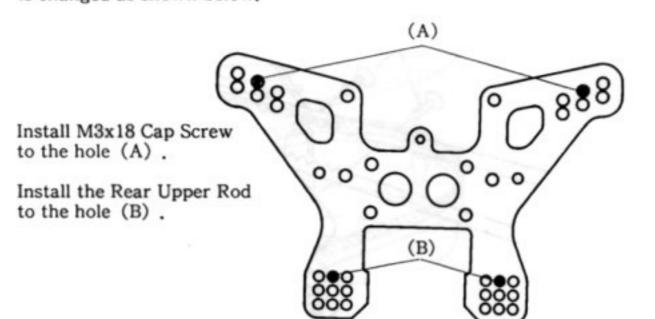


16 INSTALLATION OF REAR SHOCK STAY

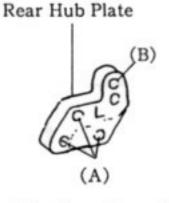
77 ASSEMBLY OF REAR HUB

Install the Rear Hub Plate to the Rear Hub.

The shape of the Rear Shock Stay is changed as shown below.



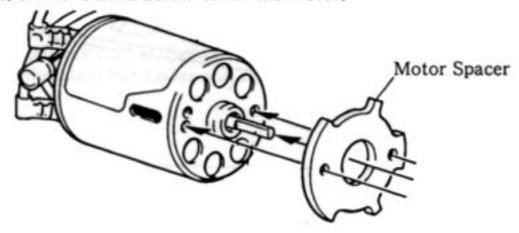




Install the Rear Upper Rod to the hole (B).

20 INSTALLATION OF MOTOR AND GEAR COVER

Install the Motor Spacer between the Motor and the Motor Plate. Use 2 pcs, of M3x8 Bind Screw to fix the motor.



Page 25, PURCHASABLE PARTS FOR YOUR KIT

Correct the parts list as shown below.

(Additional Parts List)

(These parts are not used)

No.	Parts Name	Key No. & Q'ty	No.	Parts Name	Key No.& Q'ty
OT73	Motor Cleaner Set	153x1	LA16	Main Chassis	139x1
OTW9	Plastic Parts Set	101, 102x4	LA18	Motor Plate	43x1
OTW13	Adjsut Rod (L)	157x2	LA19	Mount Plate	47x1
TM32	Slipper Adjust Spring	159x1	LA27	Front Hub Carrier	106x2
W0141	M3 Tapered Washer	158x10	LA57	Upper Deck	132x1
W5063	Universal Swing Shaft (3L)	85x2	TM4	Battery Holder Set	101, 102x4
LA59	Front Hub (Wide Track 7°)	106x2	TM19	Wave Washer Set	32x1, 153x10
LA60	Main Chassis	139x1	OT4	King Pin	75x4
LA61	Upper Deck	132x1	W5061	Universal Swing Shaft	85x2
LA62	Motor Plate Set	43, 46, 47x1 M3x30 Bind Screwx1 M3x45 Bind Screwx3		Optional Parts	
LA63	King Pin Set	75x2 M3x18 F/H Screwx2	LAW3	Carbon Main Chassis	





PLEASE FOLLOW THESE PRECAUTIONS.

FOR MAXIMUM ENJOYMENT AND SAFETY, FOLLOW THESE PRECAUSTIONS WHEN OPERATING YOUR R/C MODEL.



