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)



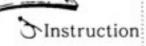
BEFORE ASSEMBLY

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".



KYDSHO

Oh.

I see,

Your through understanding of the assembly will enable you to build the kit without any difficulty, Check the components in the kit prior to your startings of the assembly. KYOSHO Any claims for replacements or refunds 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.

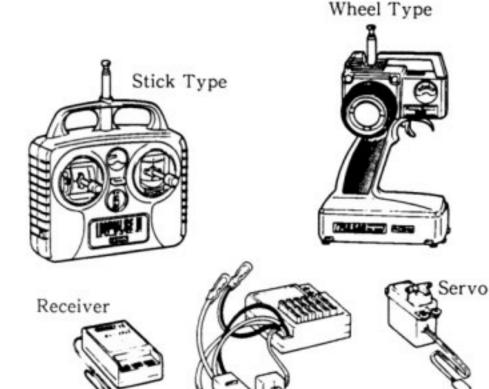
Over tightening may strip the thread in the plastic.

Wrong 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.



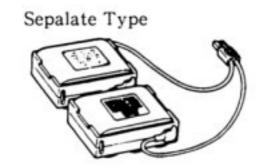
(Battery for Radio System)

For transmitter 8 pcs.

EP Speed Controller

(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.

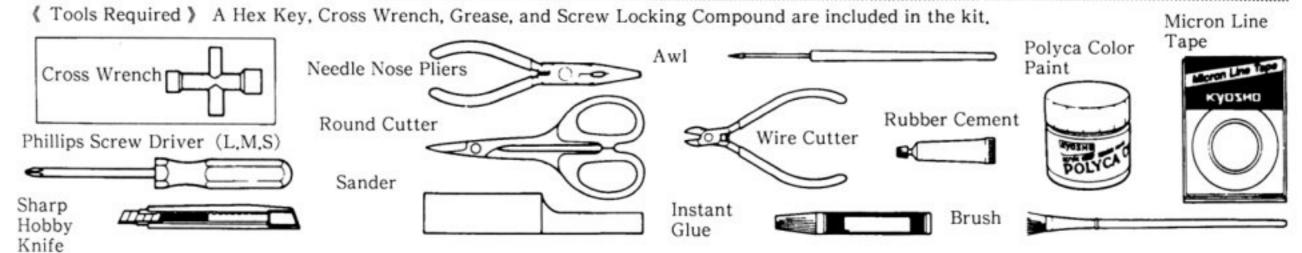
No.2481 Le mans Pro High Speed No.2483 Le mans Pro High Torque

(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.

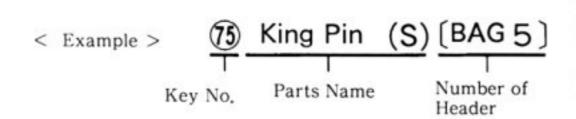
No.	Name	Time	Rate	Features	
2326	7,2V Power Charger	15 min.	70%	For bigginers Built-in timer	
1849	Multi Charger II	20 min.	100%	Timer, Ammeter built-in	
2246	FET Auto Charger	20 min.	100%	Trickle charging Automatic Cut off at peak of charge	

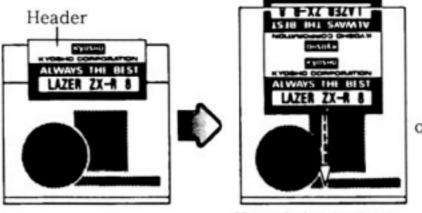


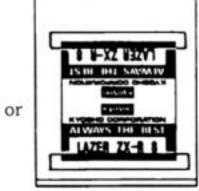
《 Do not throw away a bag header 》

- 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	i i
	• 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	O
	• 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	D
	18	Pressure Top	4	1
		M3x18 Cap Screw	4	12 16
	★ 19	5,8 ¢ Ball End	12	2
	20	5,8 ¢ 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	12
===	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	78
			_	

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	8
	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	2
	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
			4	parts are assembled
	© 60	Pressure Plate Torque Keeper M2.6x15 Cap Screw	-	
	© 61		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	7
	73	Rear Wheel Shaft	2	177
	74	Drive Washer	4	831
	75	King Pin (S)	2	113
	76	• (L)	2	13
	77	Swing Shaft	2	18
LAZED	78	3 φ x50 Shaft	2	14
LAZER	79	3 φ x55 Shaft	2	18
ZX-R-5	80	Hub Pin	4	14 18
	81	Rear Shock Stay	1	16
	82	Front Shock Stay	1	02
	★ 83	Knuckle Arm (R)	1	13
	★ 84	* (L)	1	08
	85	Universal Swing Shaft	2	08
	-			08 07
	86	5 φ x10 Ball Bearing	8	101 104

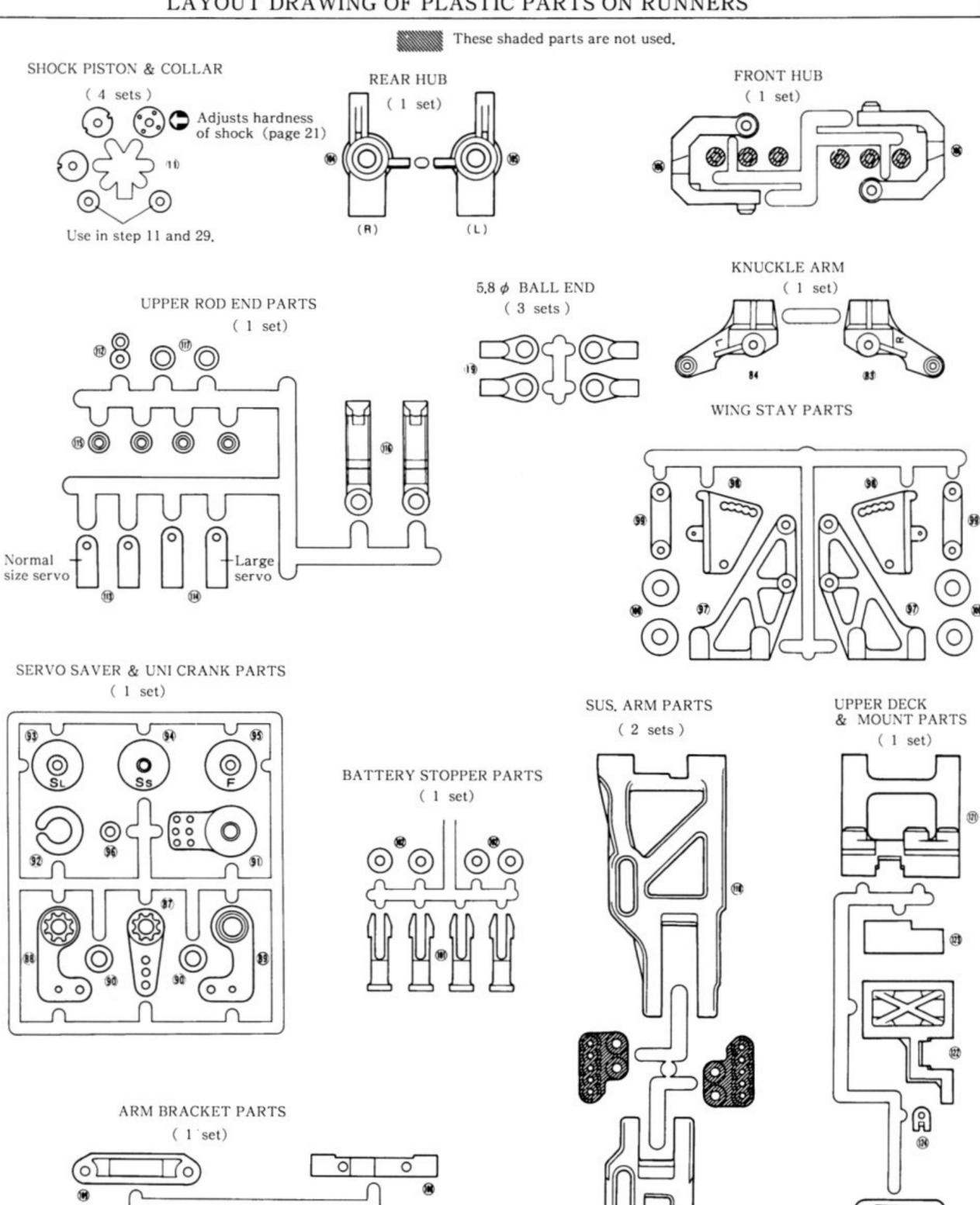
BAGGED PARTS LIST (2)

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	Servo Saver	1	22
	★ 92	Saver Ring	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	113
	★ 100	Wing Washer		
			4	36 sparex2
	★ 101	Stopper Post	4	<u> </u>
	★ 102	Stopper Washer	4	<u>u</u>
LAZER	103	Bumper	1	15
ZX-R-6	★104	Rear Hub (R)	1	17
PLASTIC PARTS	★105	* (L)	1	177
	★ 106	Front Hub	2	13
	★107	Front Arm Bracket (A)	1	14
	★ 108	→ (B)	1	00
	★ 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	* (B)	1	9
	★ 123	Mount Collar (A)	1	9
	★ 123	* (B)	1	
LAZER	125	Front Wheel (56 size)		Page 20
ZX-R-7	125	Rear Wheel (56 size)	2	30
ZX-H-/		Double Sided Tape	2	30
	127		1	25 27 36
	128	Velcro	1set	35
	129	Double Sided Seal	1	33
===	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	27
	137	Screw Locking Compound	1	
	138	Hobby Grease	1	

n .:	V #	B . N		0'4	Ctor
Bag No.	Key #	Parts Name		Q'ty	Step
	139	Main Chassis		1	9
	140	Front Tire		2	30
	141	Rear Tire		2	30
BOX	142	Body		1	<u>177</u>
DON	143	Under Cowl		1	32
	144	Wing		1	<u> </u>
	145	Side Wing		1	32
	146	Decal (Lazer Z)	(-R)	1	33
	147	Cross Wrench		1	7
		Instruction Mar	nual	1	
	16	E Ring (E2,5)		4	02 08
	148	* (E3)		1	7
	149	Hook Pin		3	80
	150	Hex Wrench (1	.5)	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	3
	155	5 φ x 8,5 Shim		6	13 17
	156	8 φ x12 Shim		1	83
		R/H Screw	M3×4	4	
		Bind Screw	мз×6	5	
			M3×12	4	
			M3 X30	1	
LAZER			M 3 × 35	1	
ZX-R-2			M 3 × 45	2	
SCREWS			M4×8	5	
NUTS		F/H Screw	M2.6×12	8	
WASHERS			мзх6	4	
			M3×12	6	
		TP R/H Screw		2	
		TP Bind Screw		5	
	\vdash	*	M3×8	10	
			M3×10	9	
	-		M3×12	2	
	-	TP F/H Screw		19	
		11 17 11 Sciew	M3×12	4	
			M3×15	6	
		Nort			(3 kinds)
		Nut	M2.6	12	(5 kilius)
		Nulsa Nut	M3	6	
		Nylon Nut	M2.6	2	
		•	М3	5	/Flore 13
		6.16	M4	4	(Flanged)
		Set Screw	мзхз	3	
		Washer	M2.6	2	/m
		*	МЗ	4	(Black)
				1	
				_	

-4-

LAYOUT DRAWING OF PLASTIC PARTS ON RUNNERS



0,20

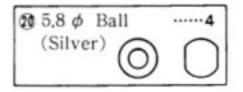
Marked"2"

Marked"1"

(see page 21) Toe-in angle

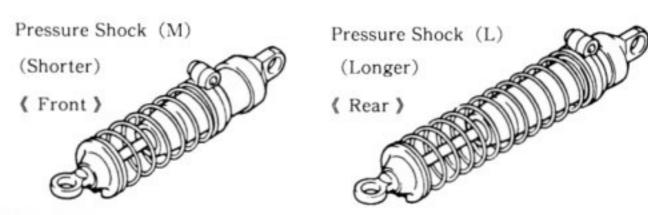
FILLING THE SHOCK OIL

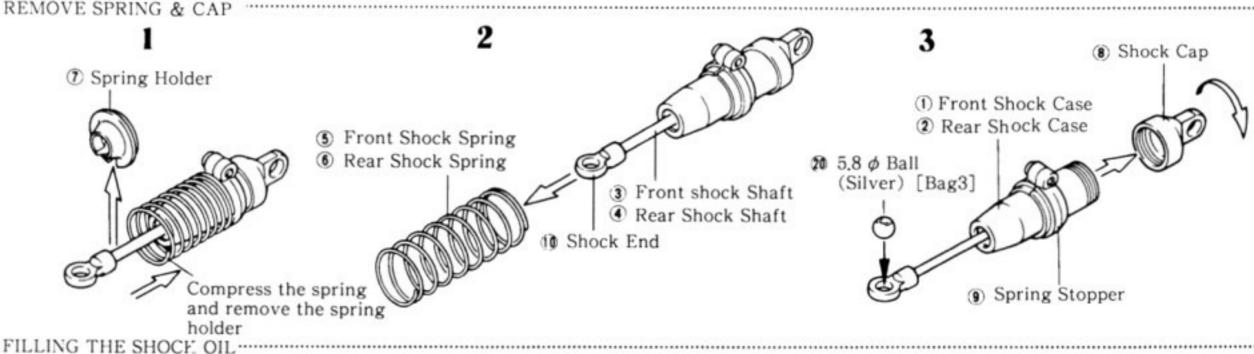
At each assembly stage, a drawing shows screws and other fasteners used in the actual size, Identify those required in each stage,



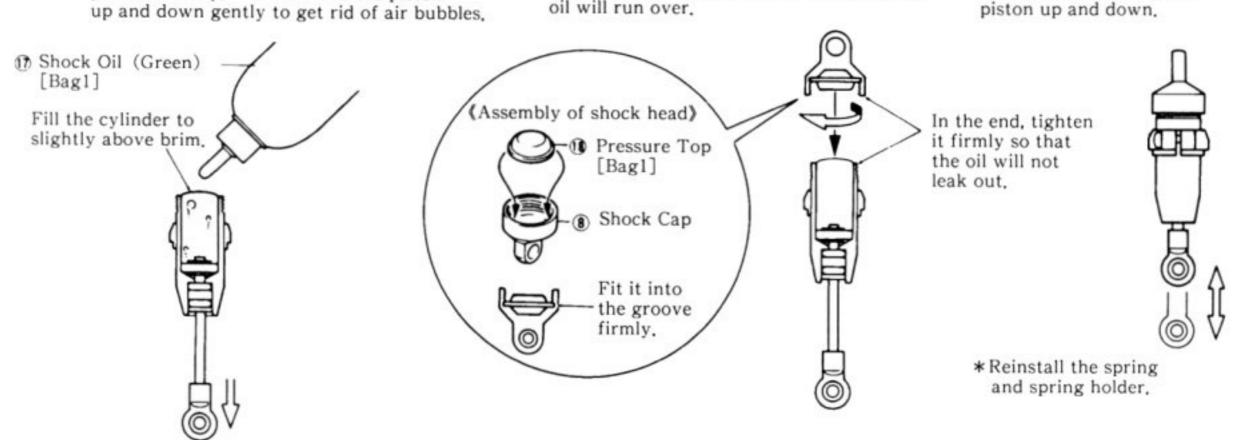


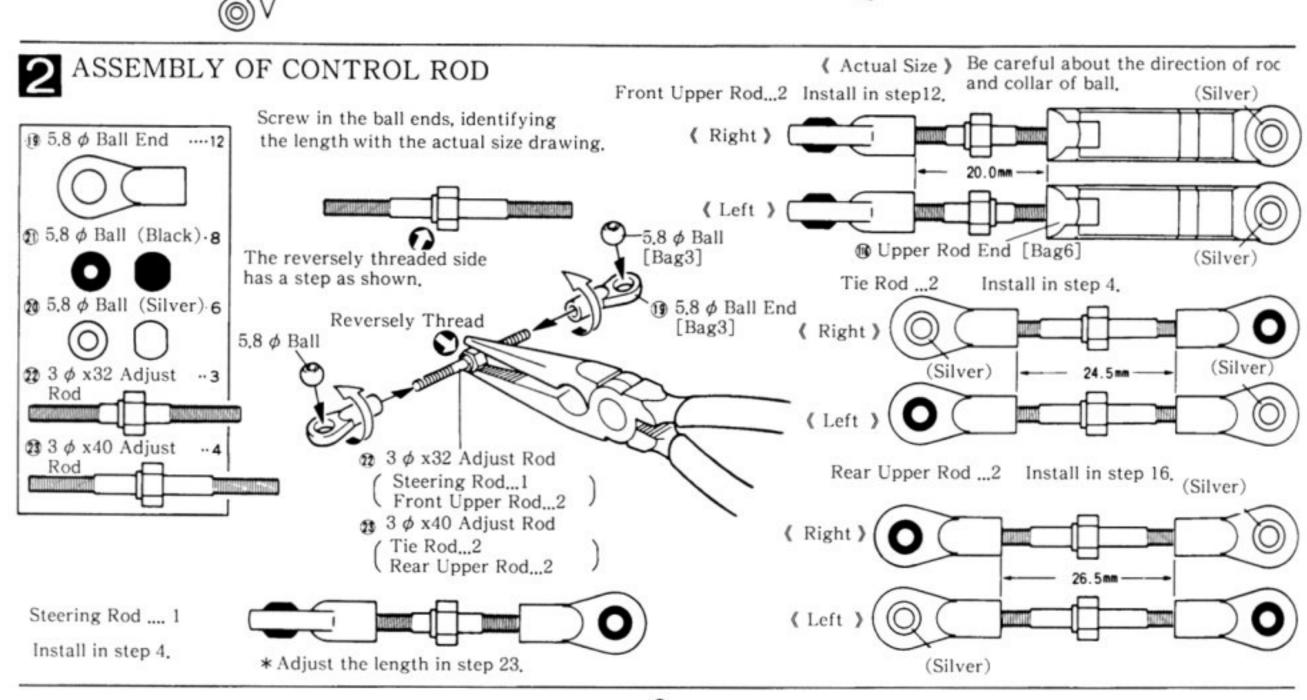
Pressure shocks are in [Bag 1] (Assembly). Remove the shock spring and shock cap to fill the shock oil.

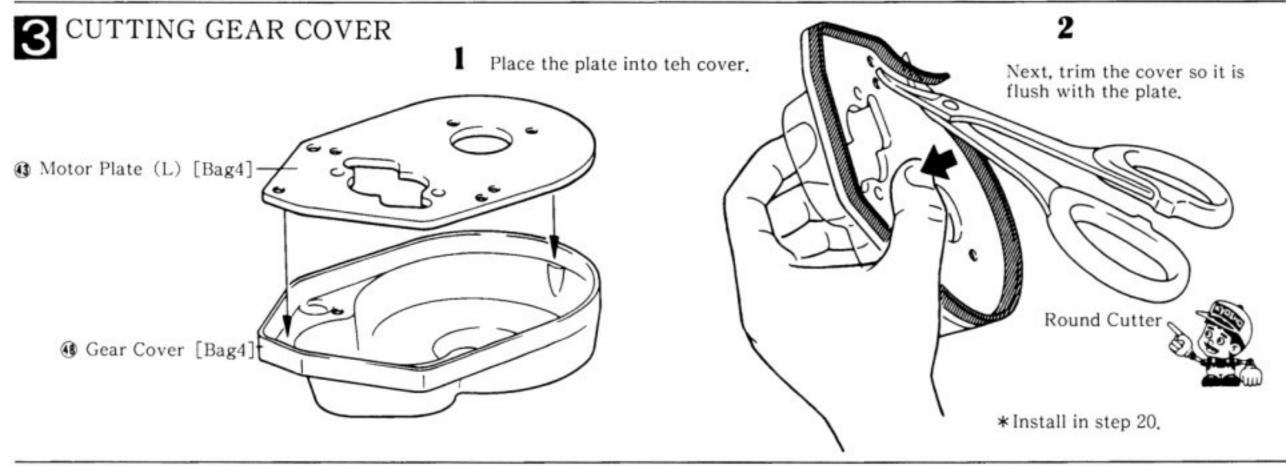


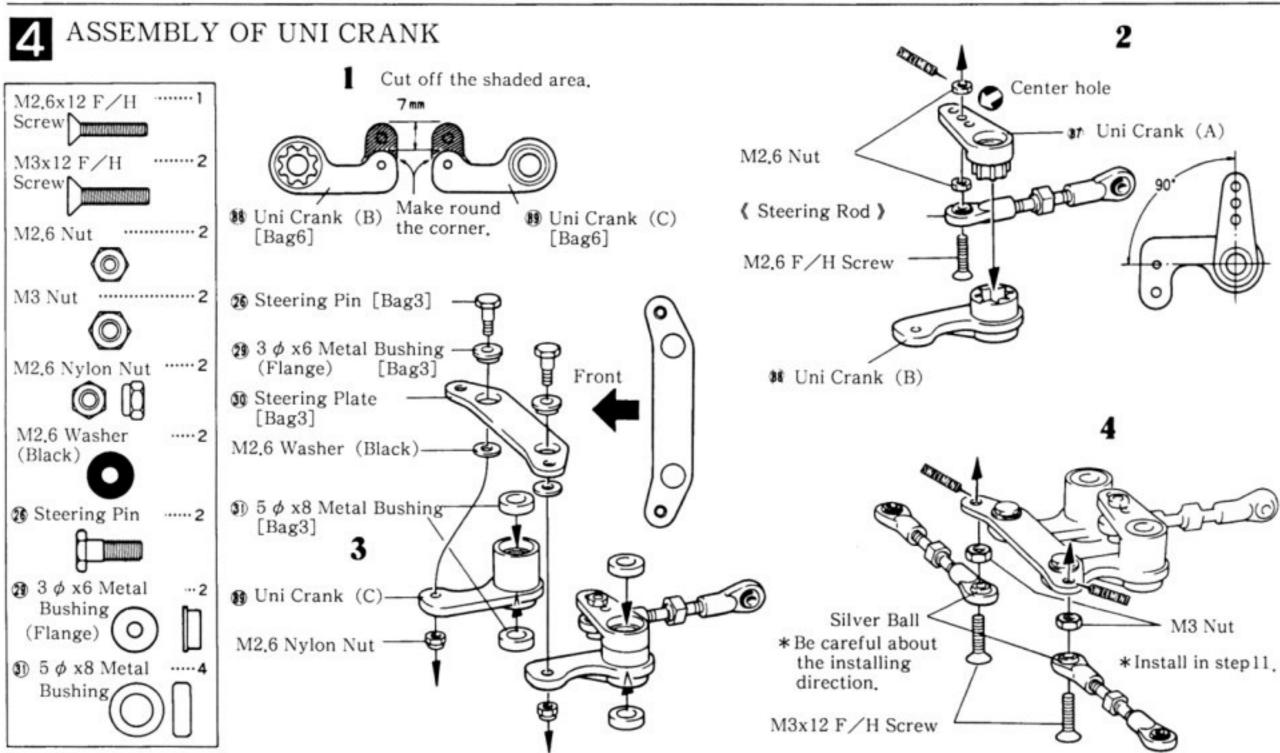


Pull down the piston to the bottomand pour oil slowly. Then move the piston up and down gently to get rid of air bubbles. Keep the piston in the lowest position and tight the cap graduary, then excessive oil will run over. Confirm that it will work smoothly by moving the piston up and down.



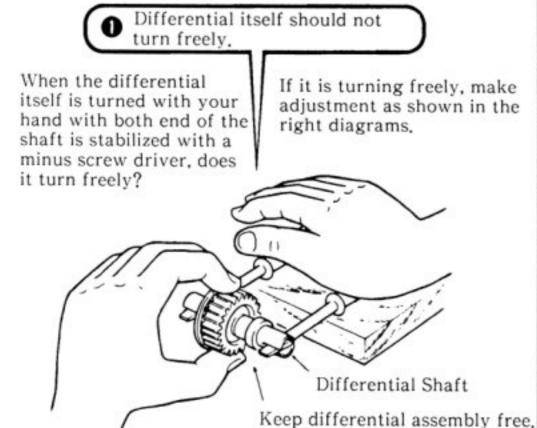






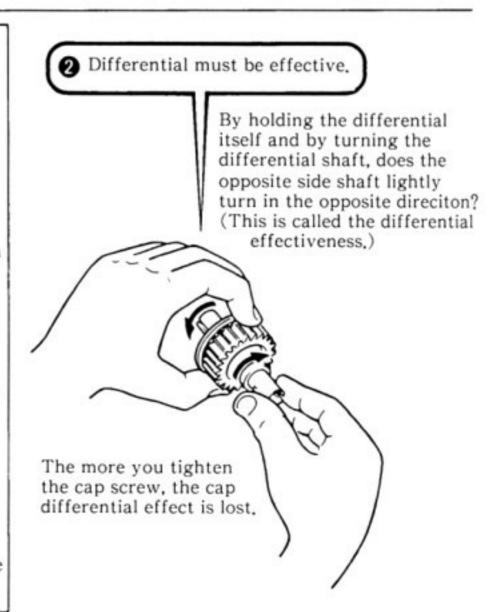


Ball Differential is already assembled and is included in [Bag4]. Check of and before assembling it into the gear box.

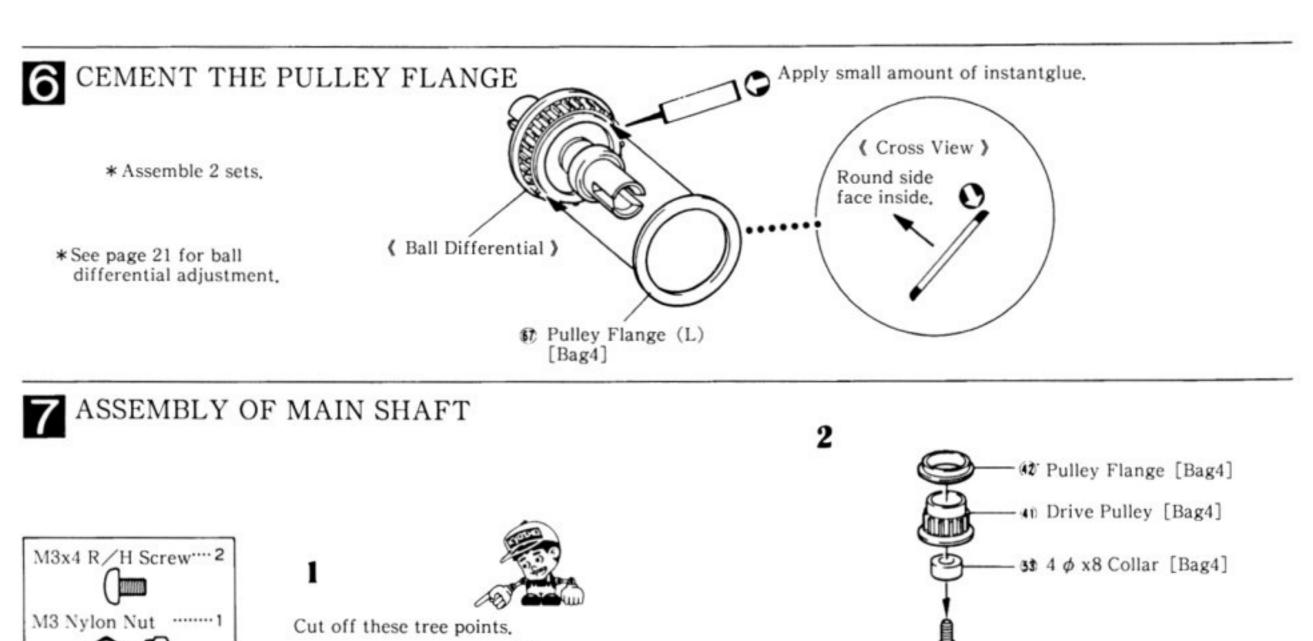


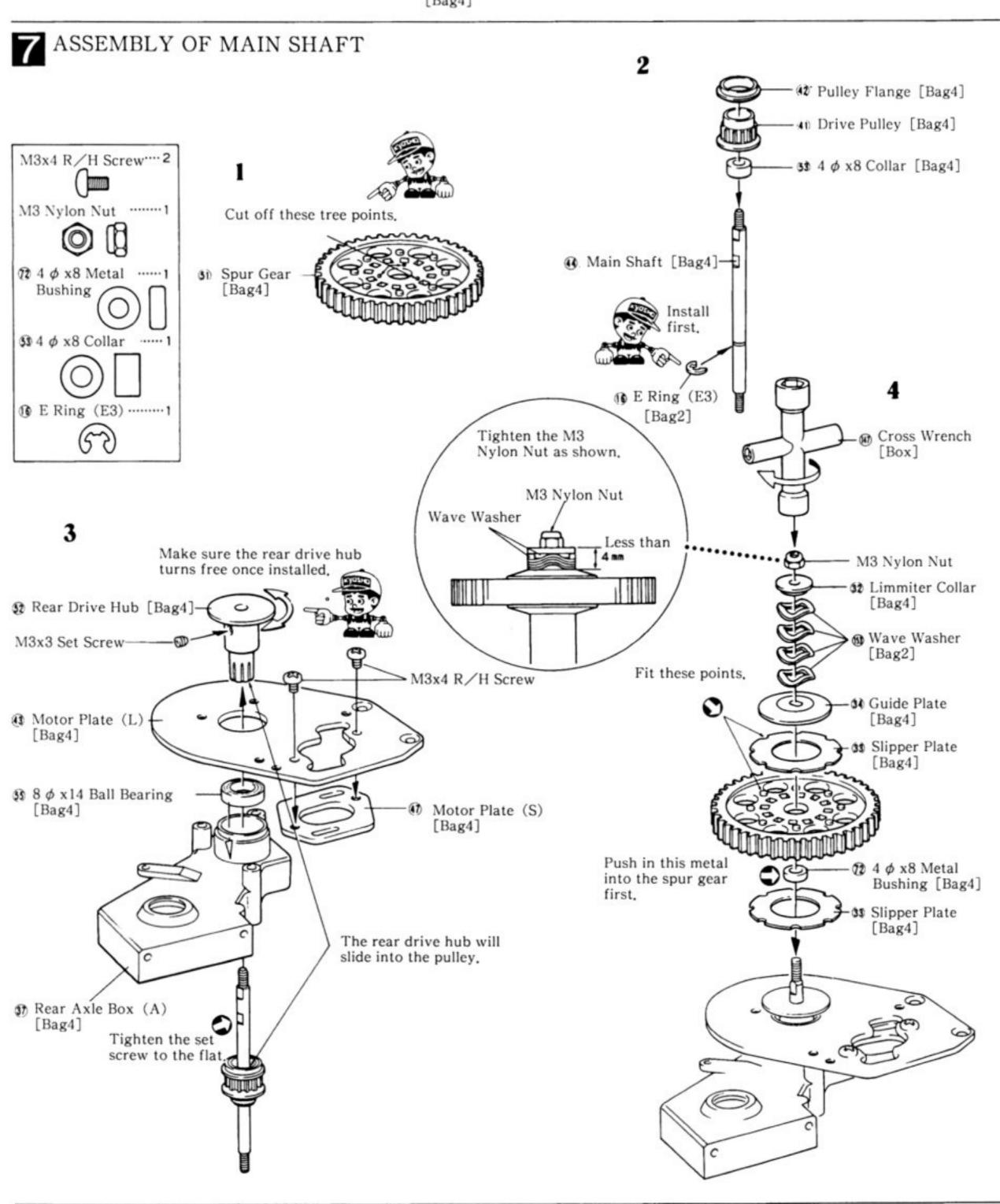
tightened. Adjust and readjust 1 and 2 are OK. (B) Hex Wrench (2mm) [Bag2] Stabilize with hex wrench or screw driver. If the screw is over tightened or use with the differential turning freely, it will result to damaging the ball and plates. Sponge Cap [Bag4] Screw side

The point of adjustment is how tight the cap screw is

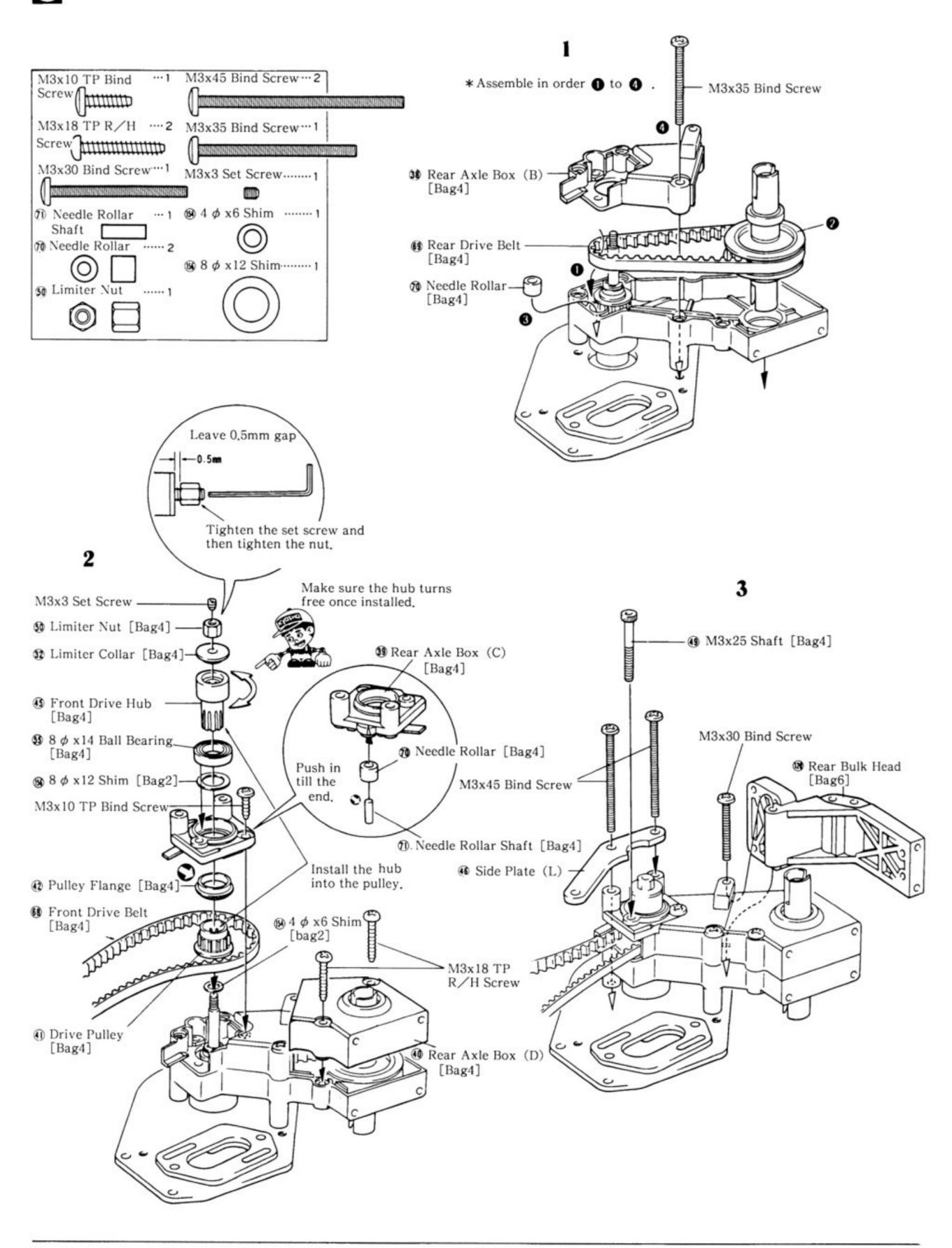


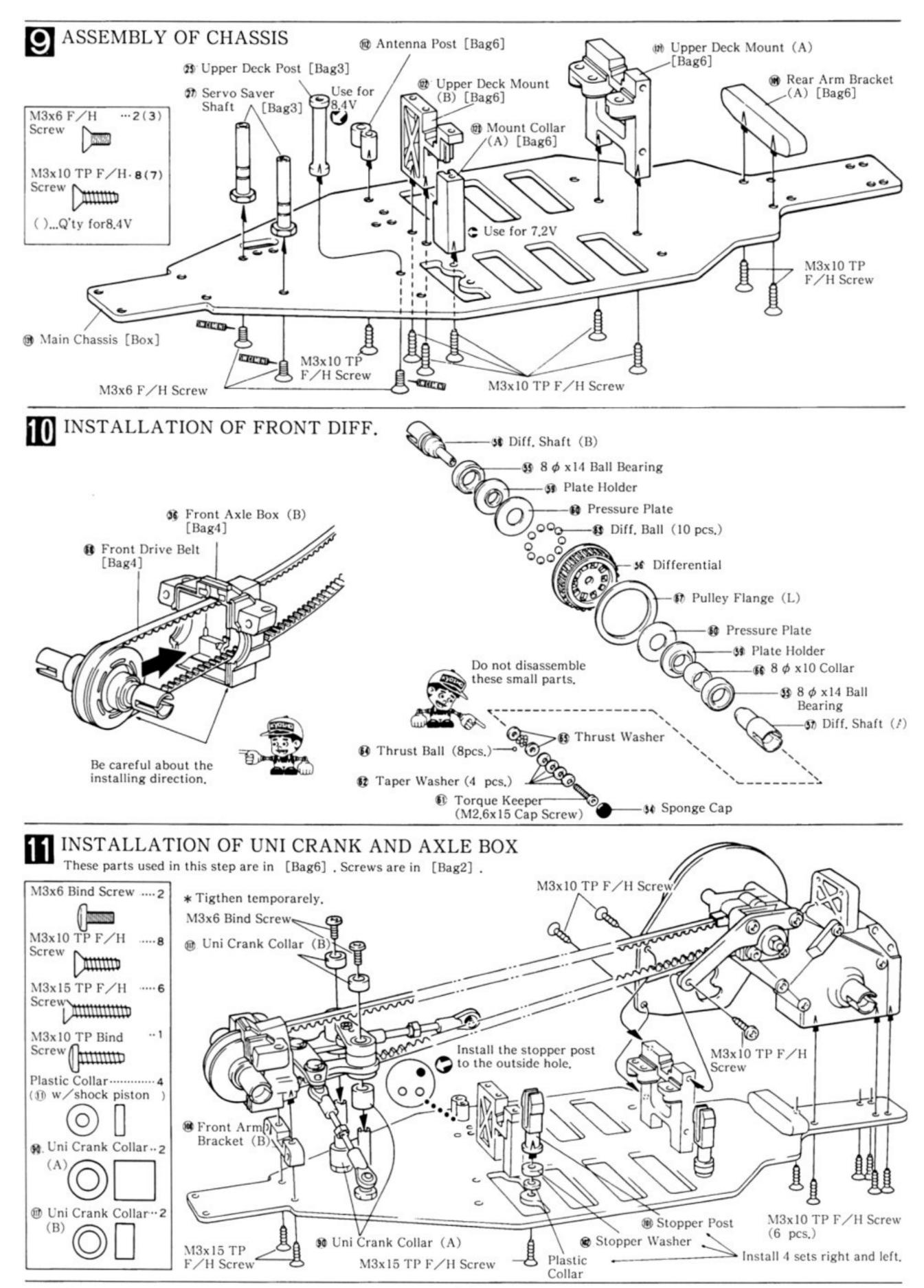
Push in

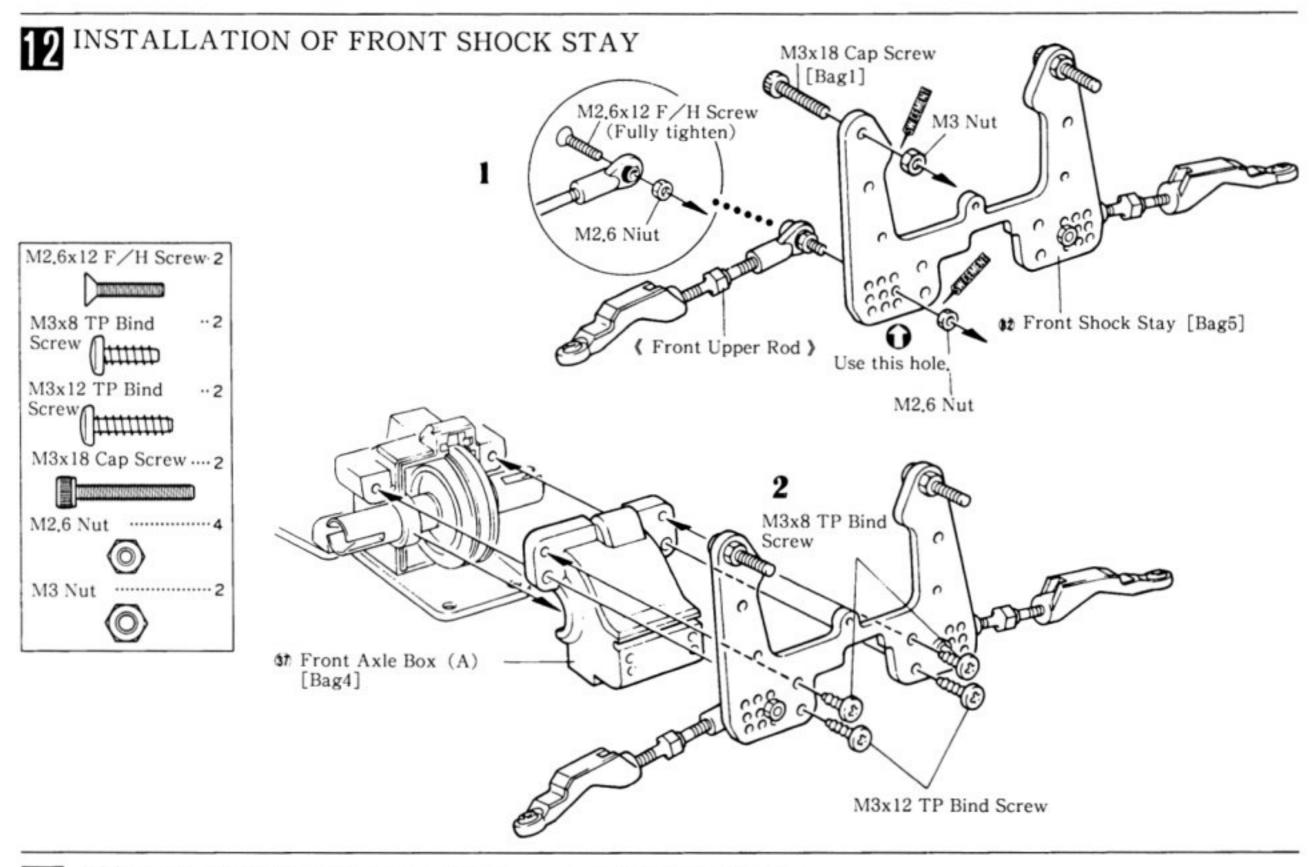


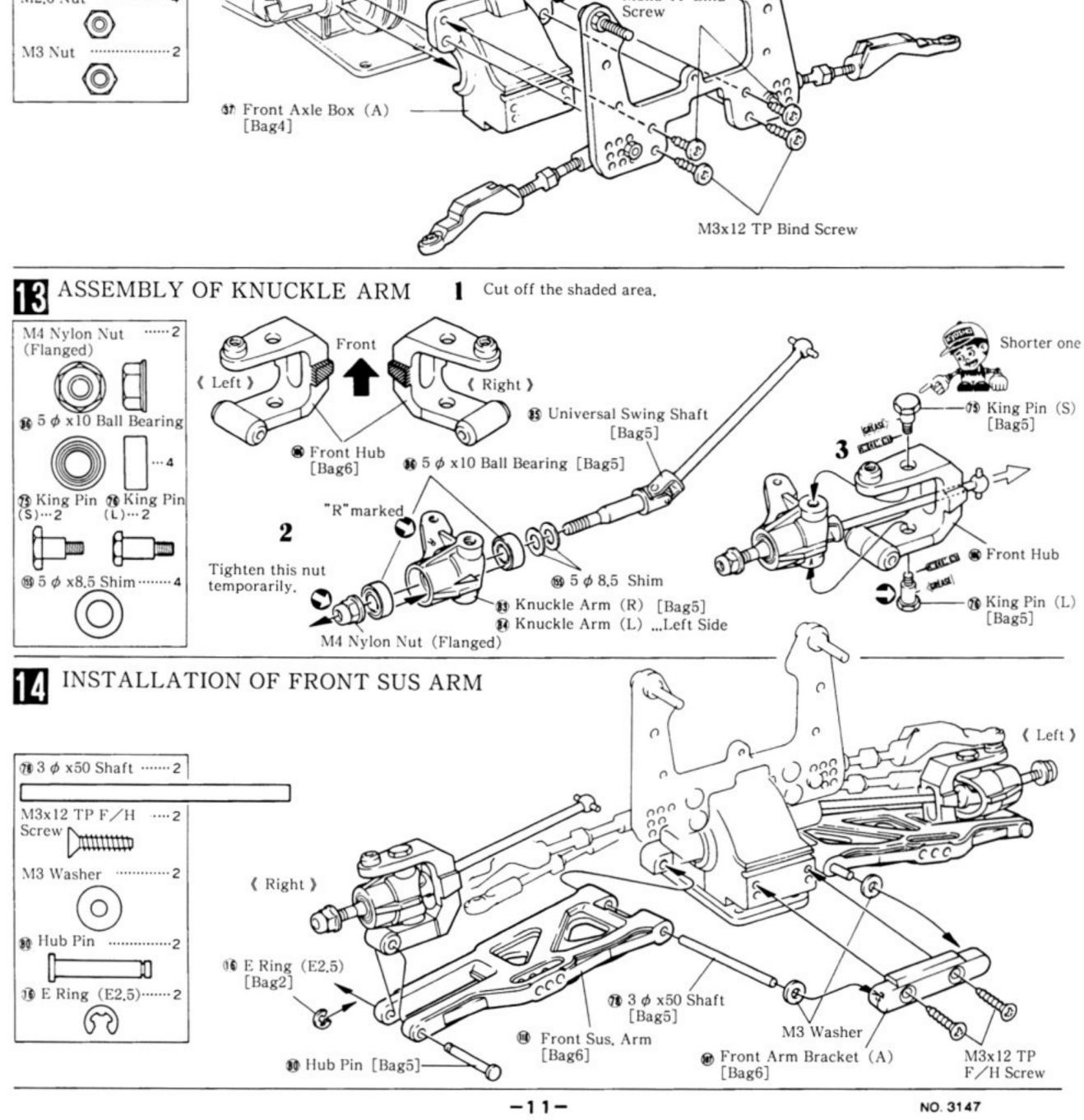


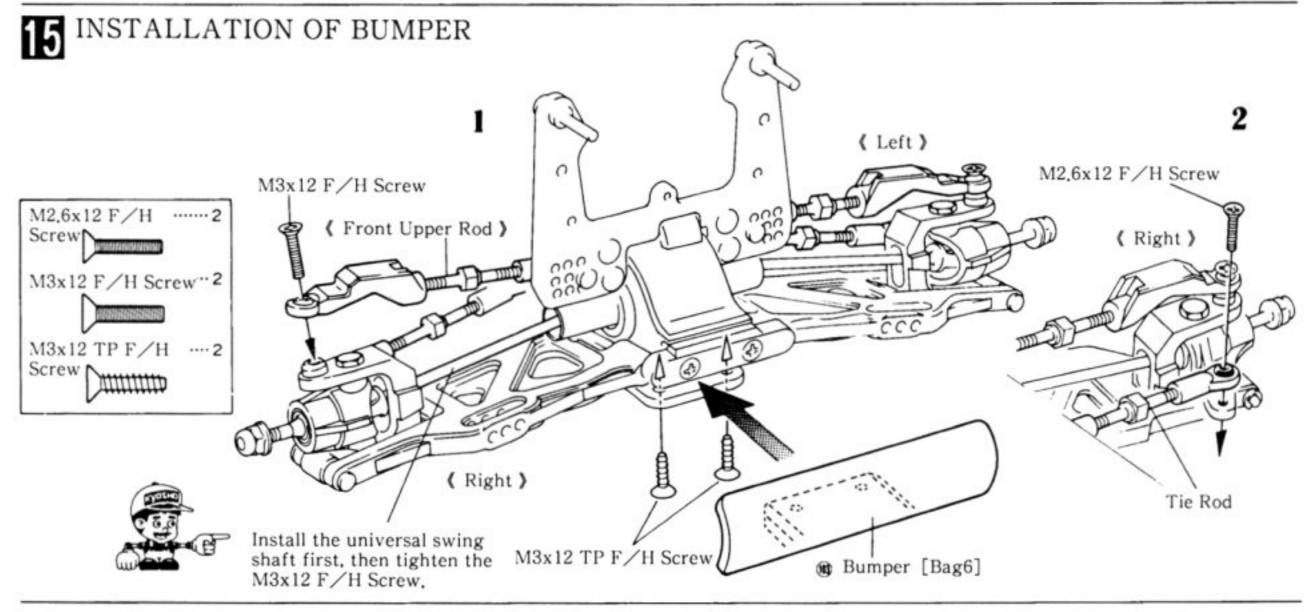
8 ASSEMBLY OF REAR AXLE BOX

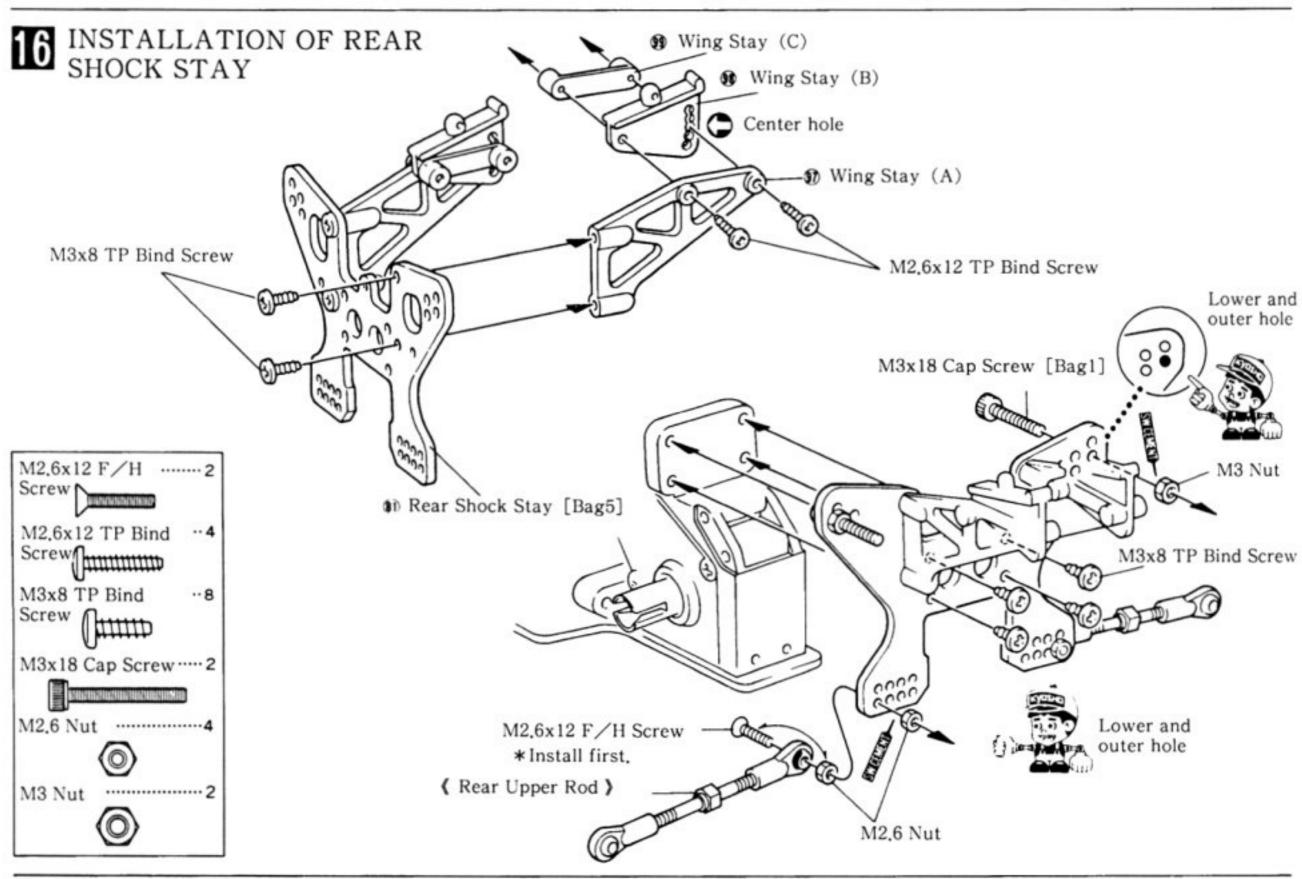


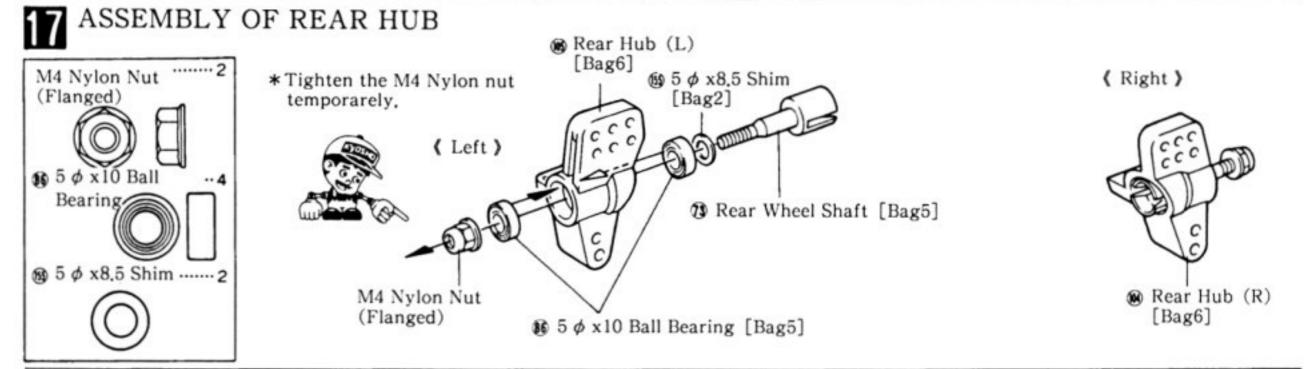


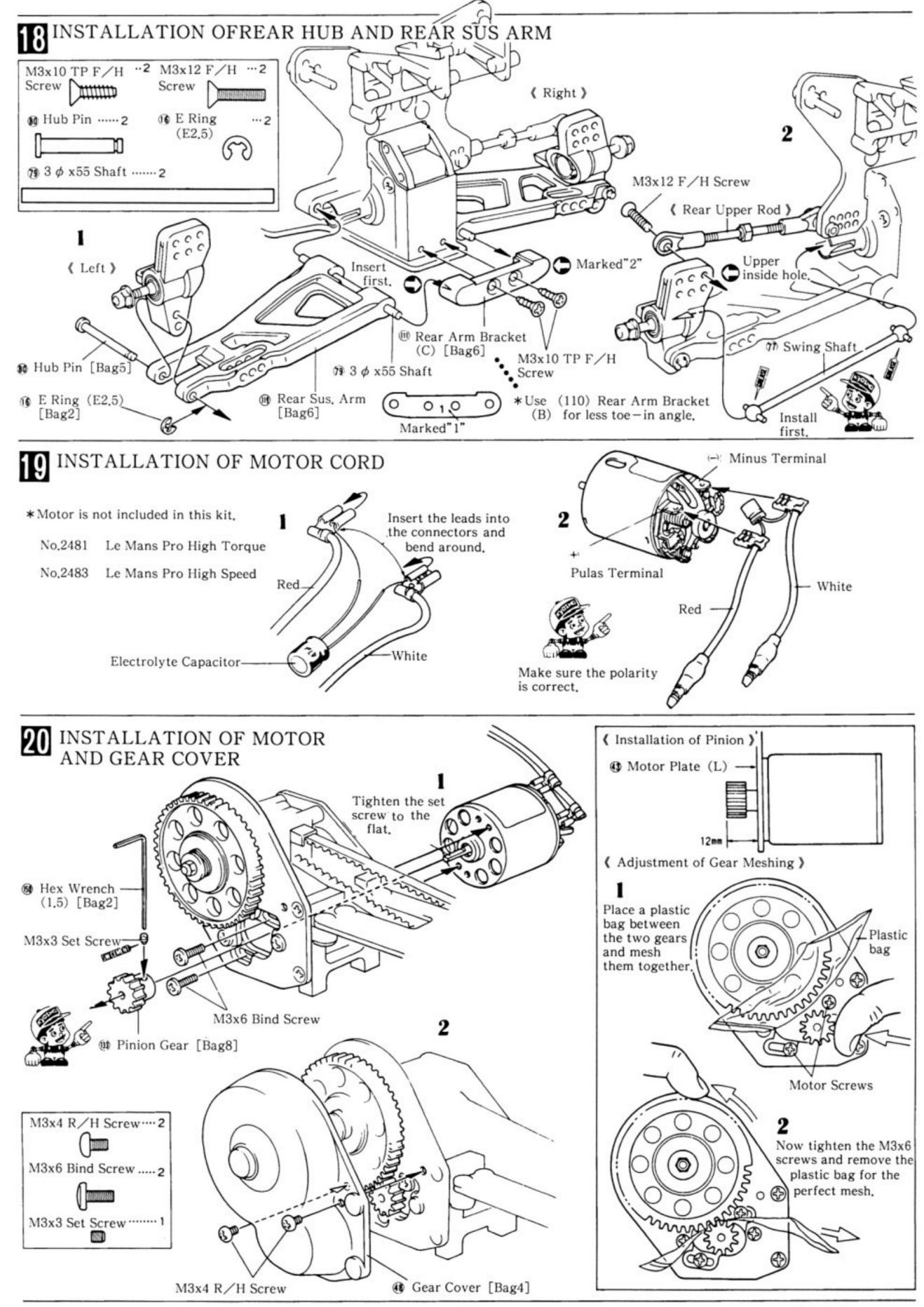


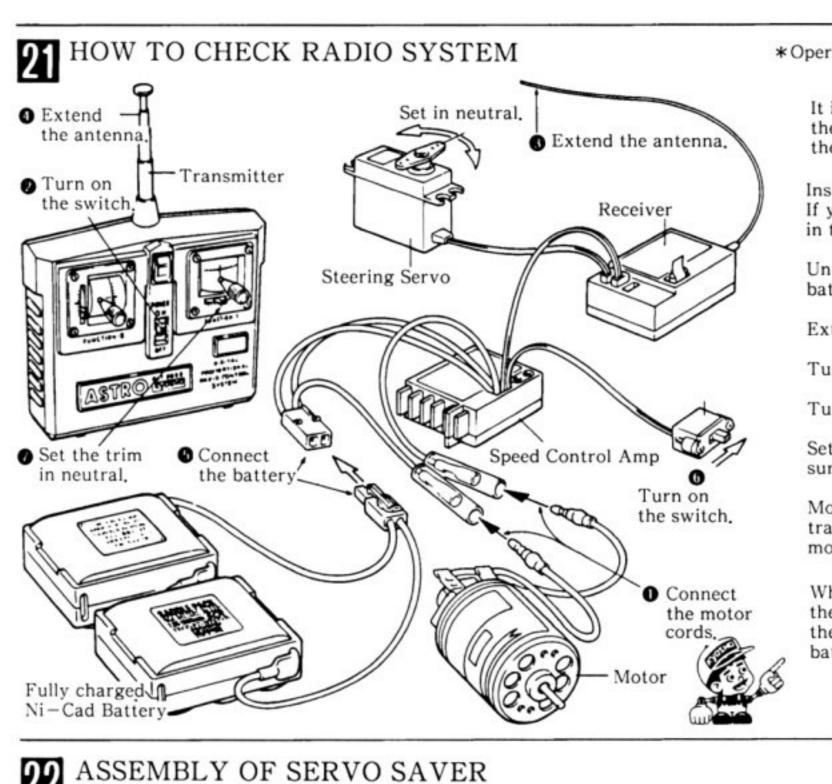












*Operate the radio system in order from 0 to 0.

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,

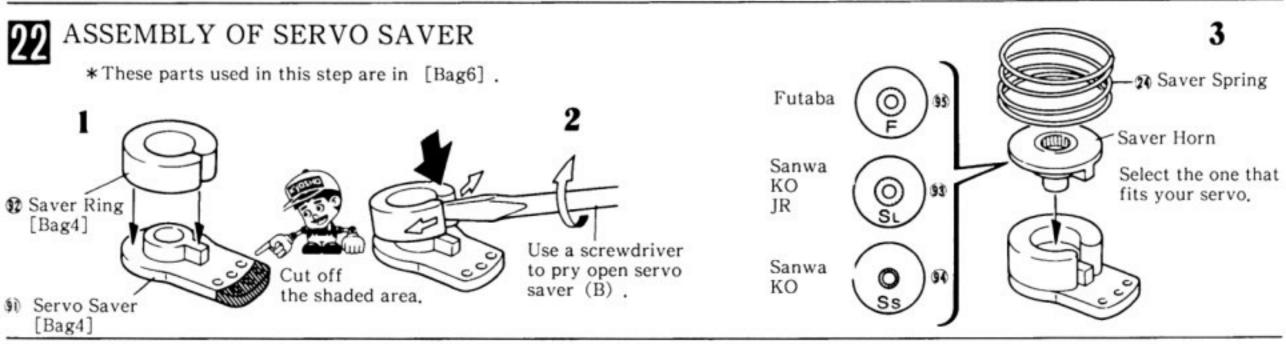
Turn on the power switch of the transmitter.

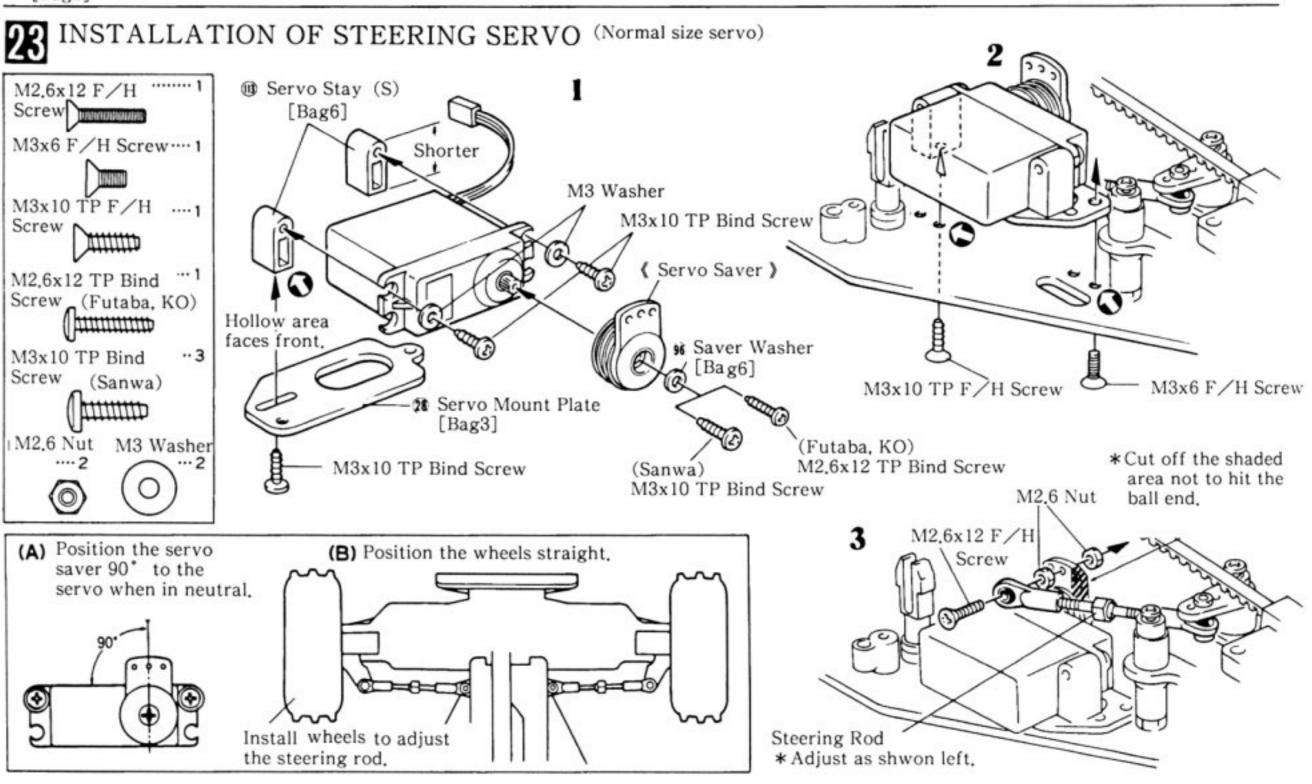
Turn on the power switch of the receiver,

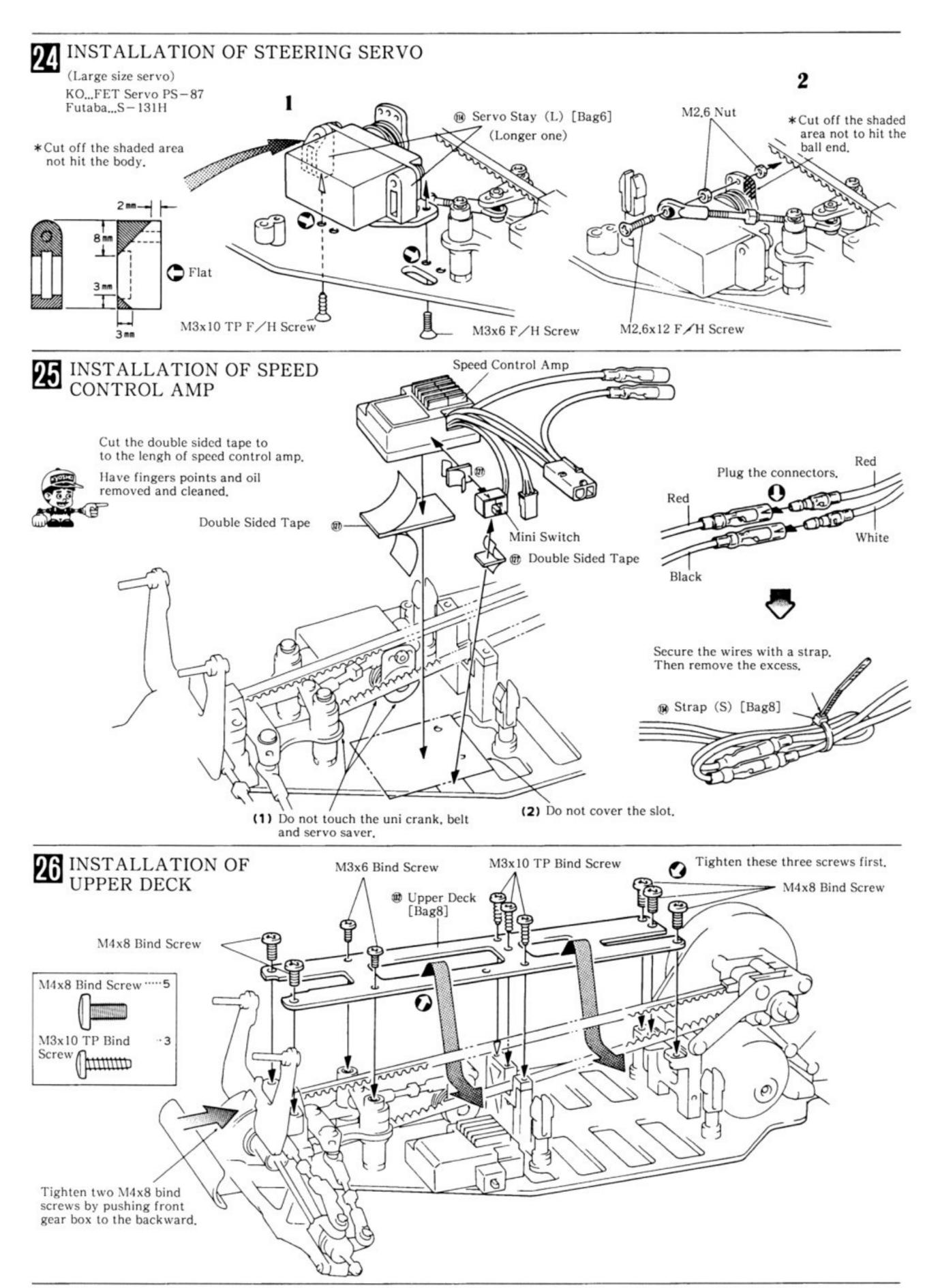
Set the small trim levers to the center position and make sure that both main control sticks are also centered.

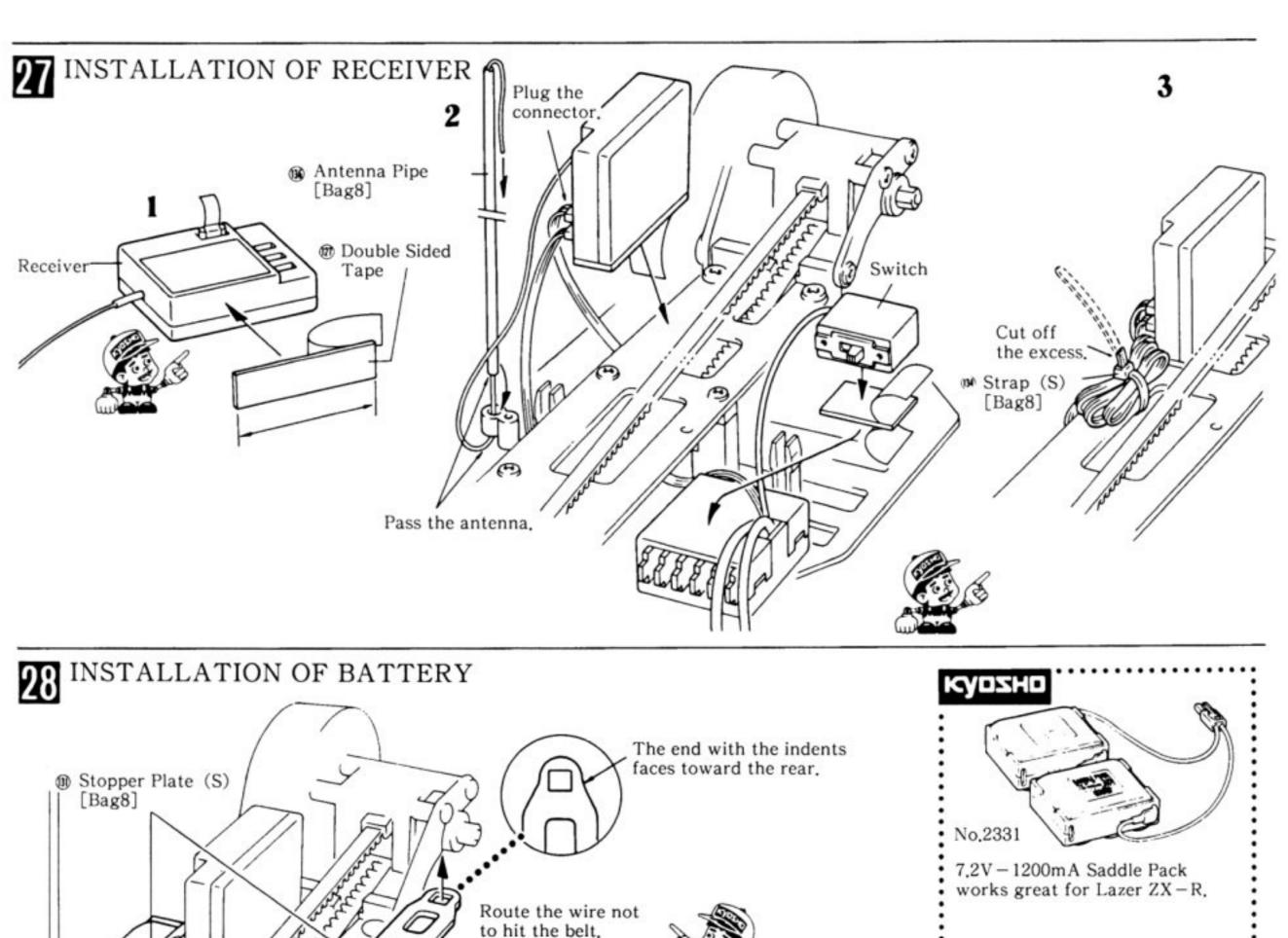
Move both main control sticks slowly through their full travel. The servo horns should move in proportion to the movement of your sticks,

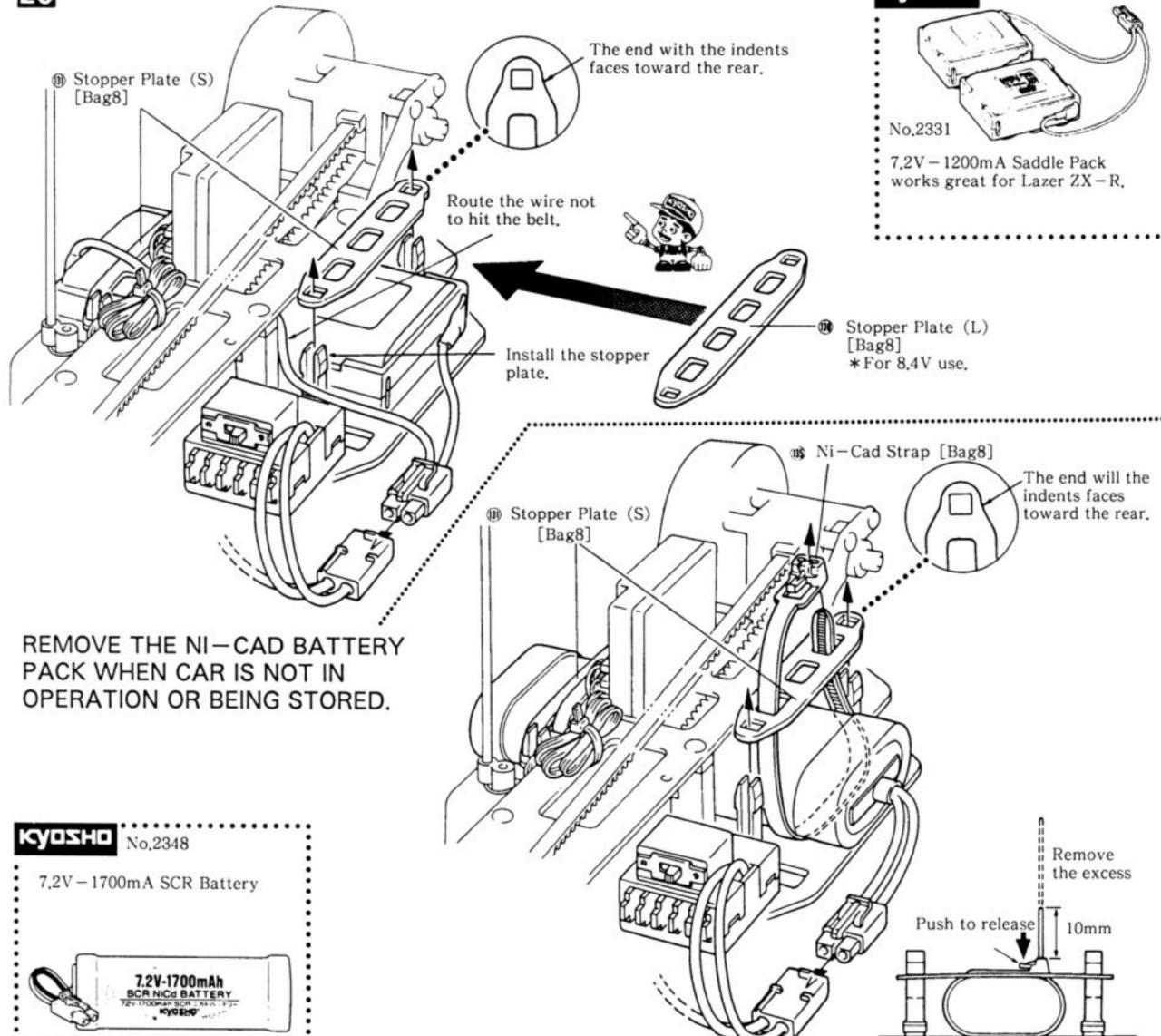
When trim levers and stick are at their neutral positions, the servo horns should be centered. You may now turn off the receiver, then the transmitter and unplug the servos and battery from the speed control amp.

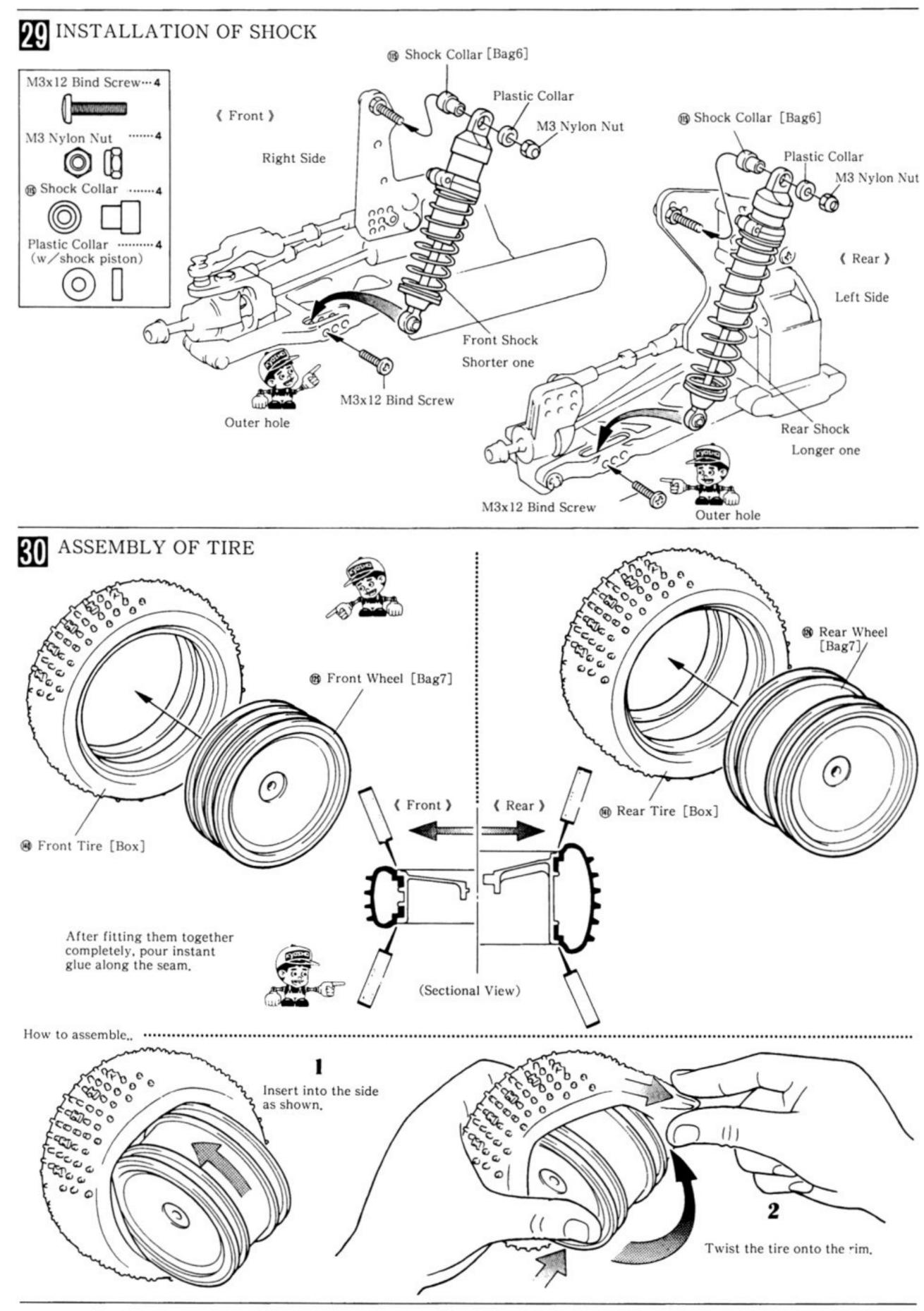


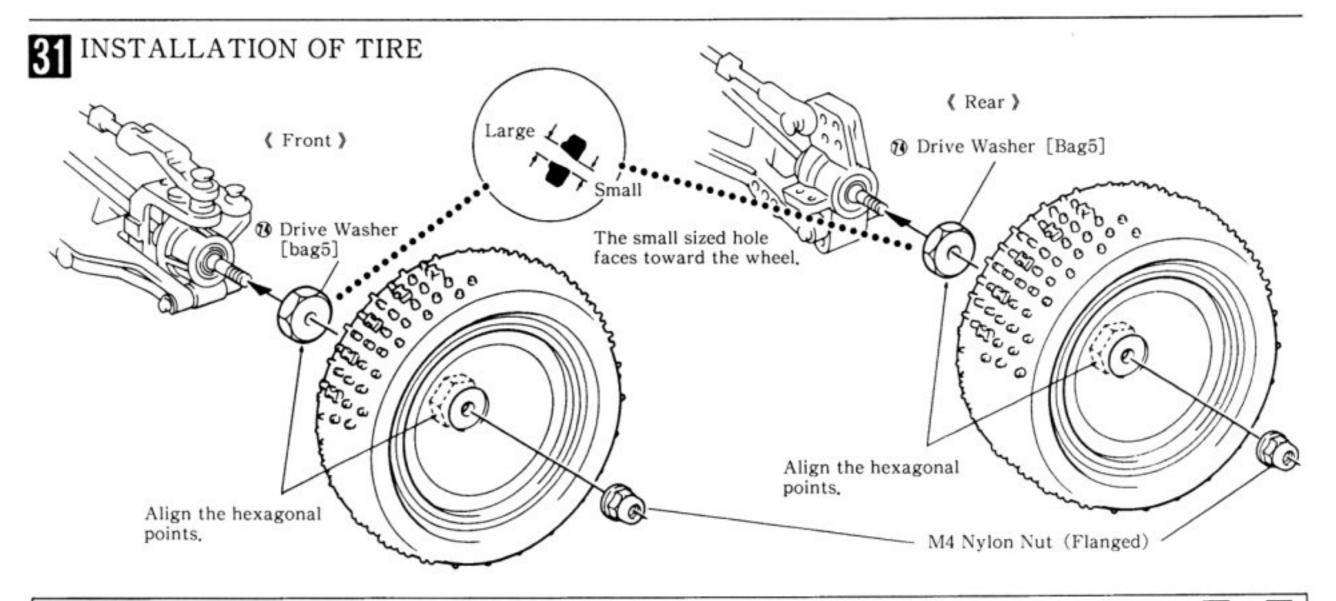






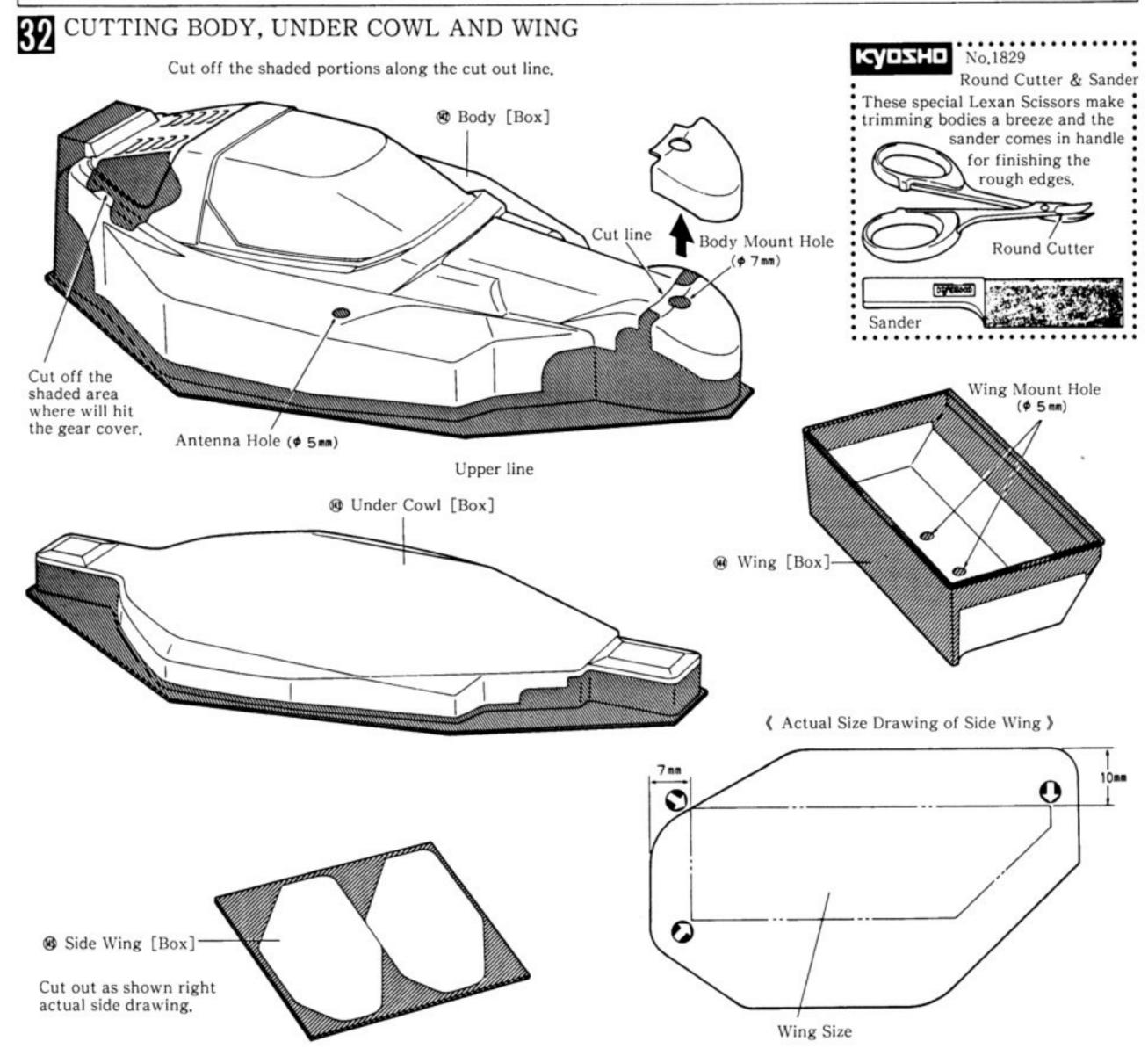


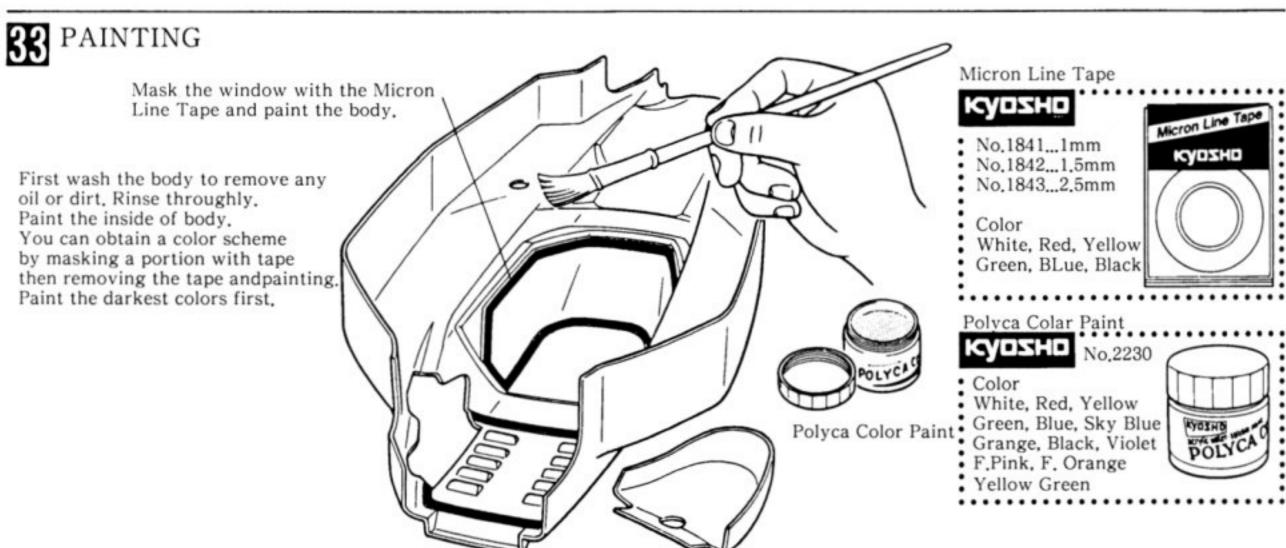


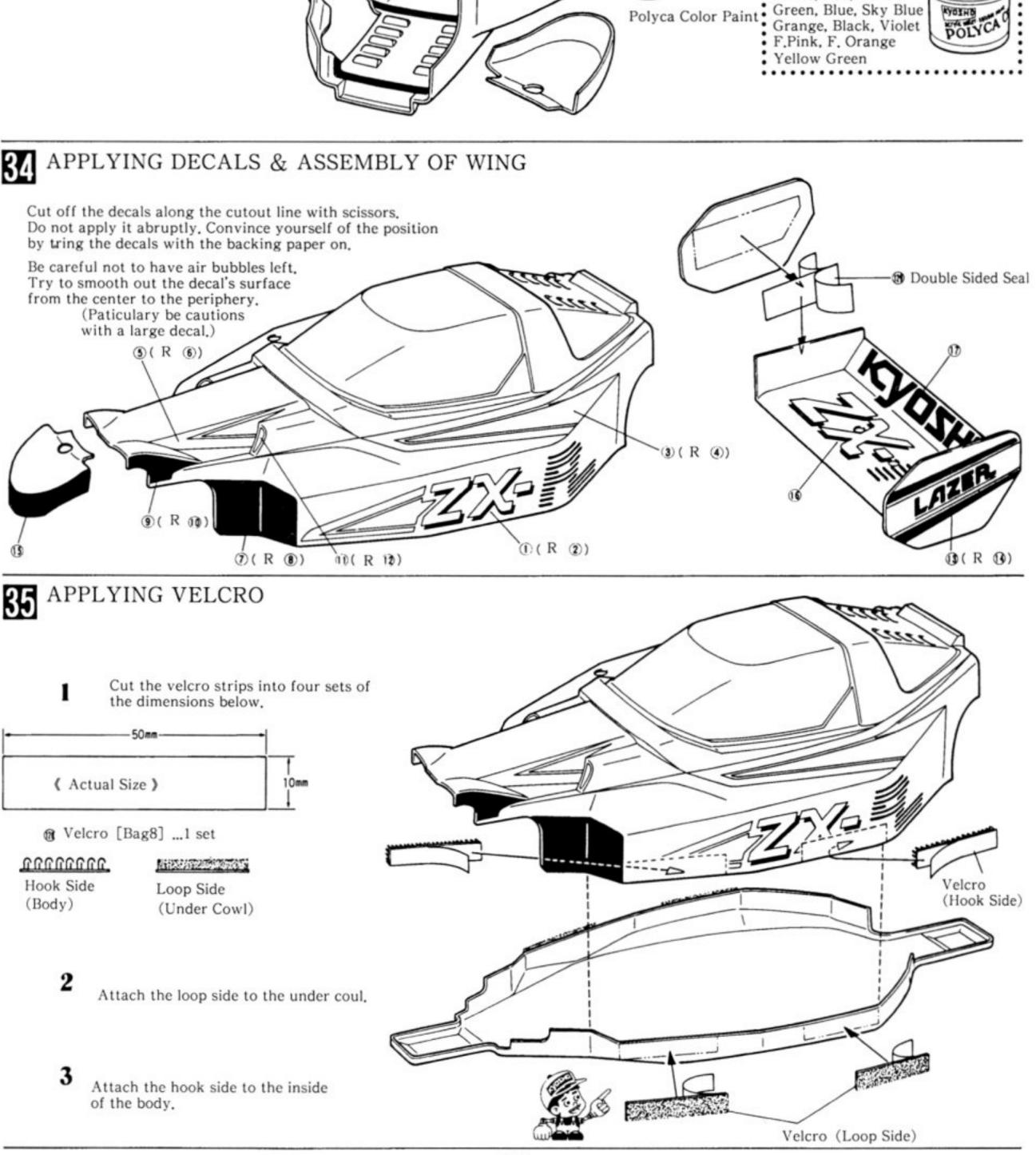


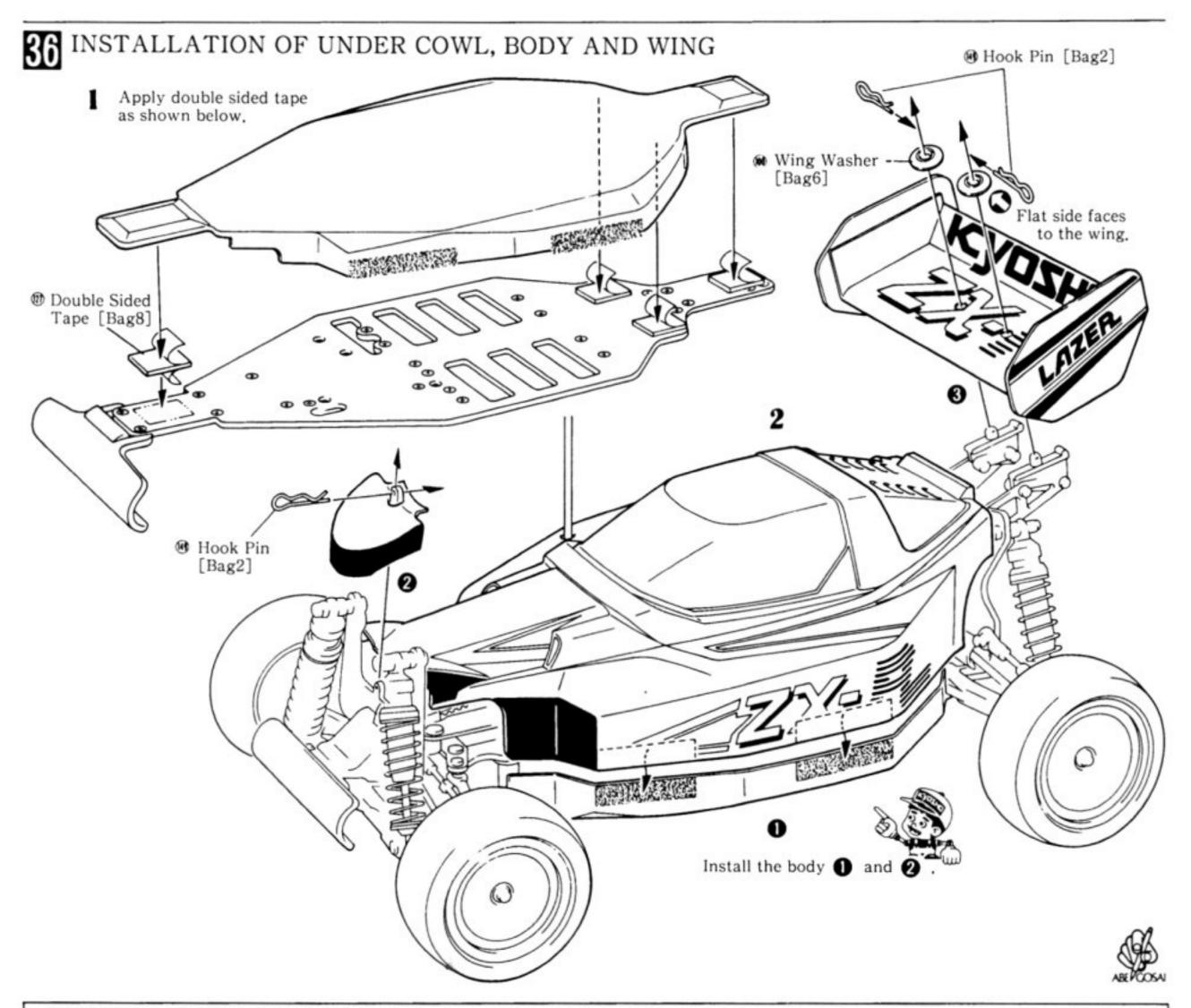
• CUTTING AND INSTALLATION OF BODY

32 - 36

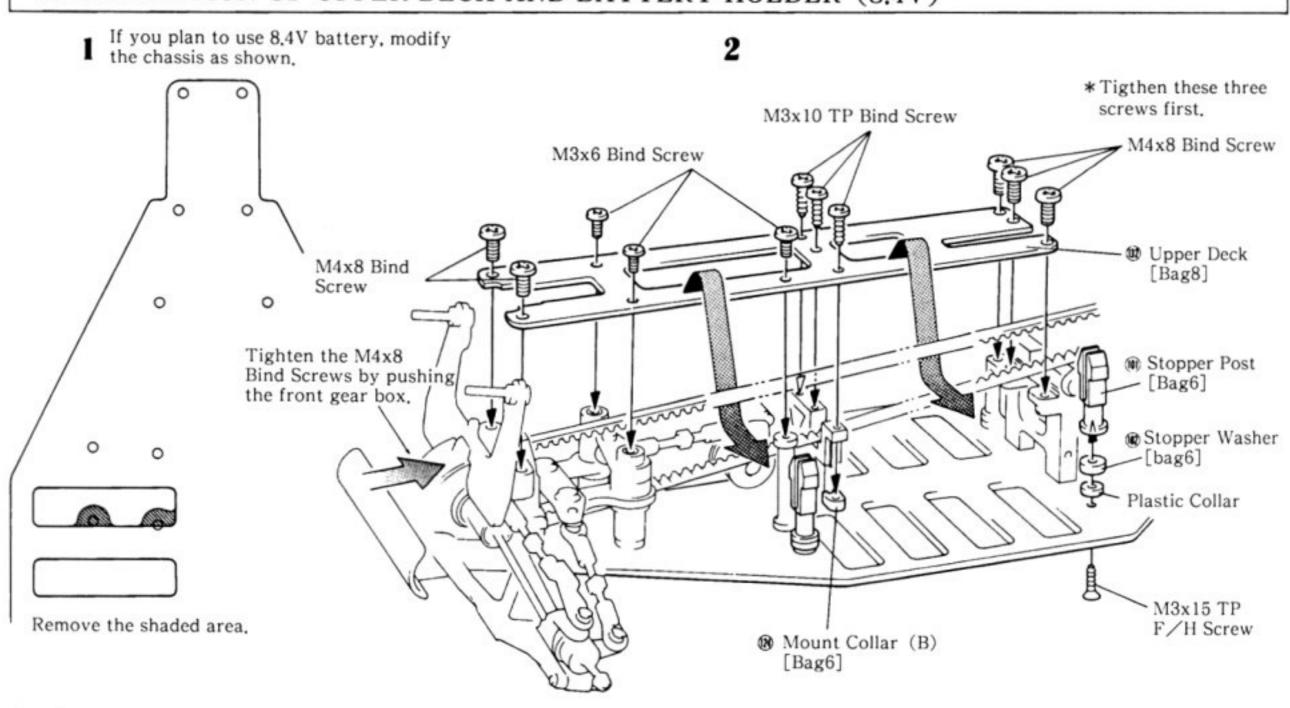








INSTALLATION OF UPPER DECK AND BATTERY HOLDER (8.4V)



LAZER ZX-R ADJUSTMENT GUIDE (1)

(Adjustment of Limitter Nut)

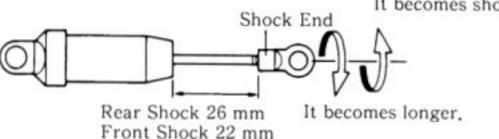
Steering response can be adjusted by the limitter nut tightening in or out.

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

(Adjustment of Shock)

Turn the shock end in or out for the adjustment.

It becomes shorter.

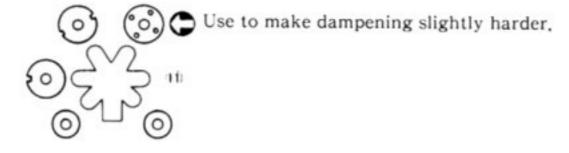


(Dampening Hardness)

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	i
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

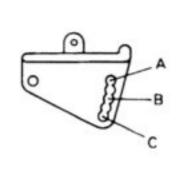
(Suspension Travel Adjustment)

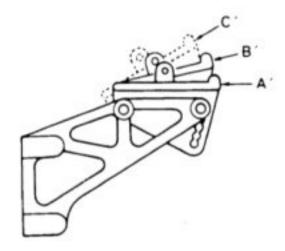
Adjust the ground clearance by changing the hardness of shock spring.

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

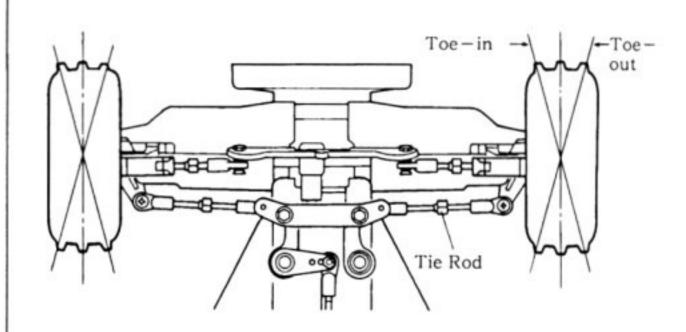
Pinion Gear	22 T	23 T	24 T	25 T
Spur Gear Ratio (48 pitch)	10.06	9.63	9.23	8.86
Spur Gear Ratio (0,6m)	8.86	8.47	8.12	7.79

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

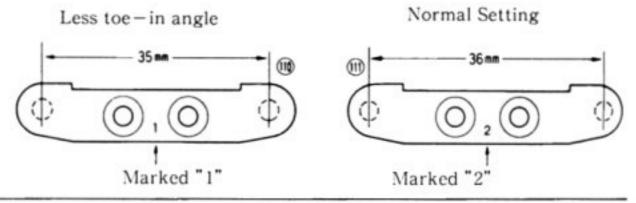
(Toe Adjustment)

Adjust the tie rods for a slight inward angle.

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



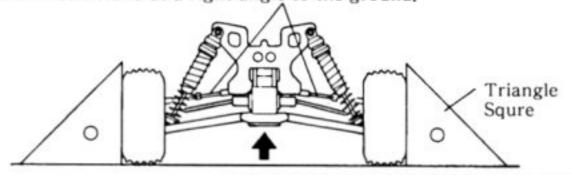
The Lazer ZX-R comes with two different rear arm brackets which allows for different toe angles at the rear.

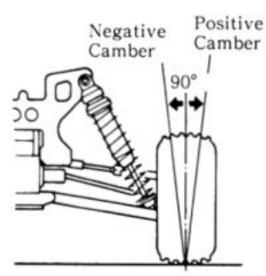


LAZER ZX-R ADJUSTMENT GUIDE (2)

(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.



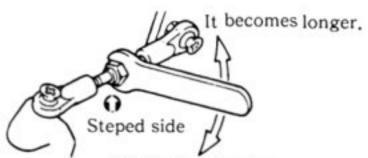


Positive Camber With negative camber adjustment on the front wheels, you will have sharper steering tendency, while on the rear wheel, the gripping power becomes higher.

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.

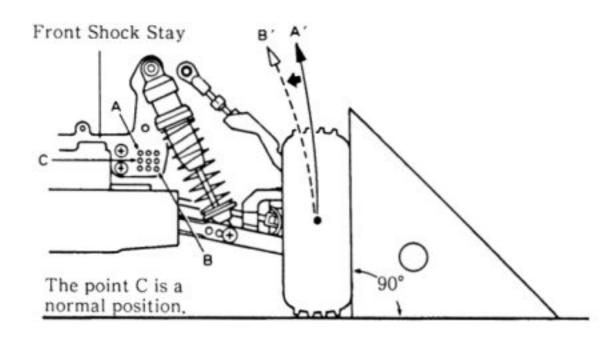


It becomes shorter.

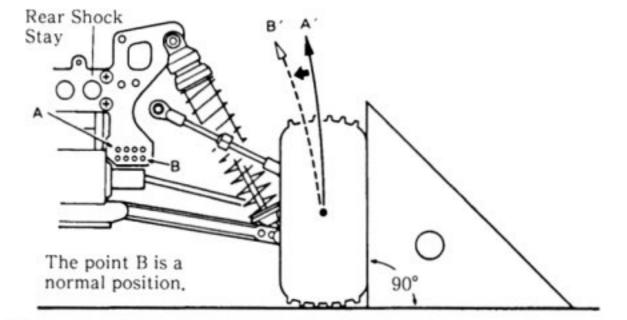
(Correlation between installing position of Upper Rod & Camber Angle)

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)

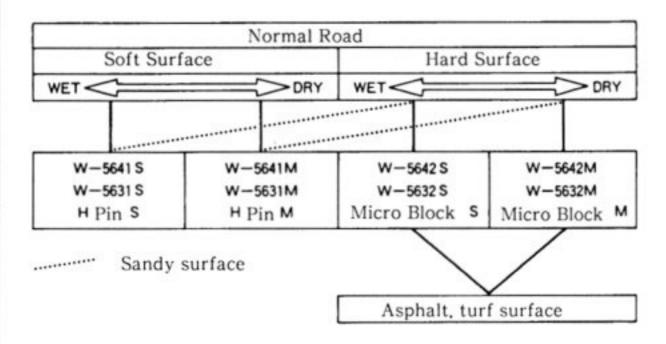


(Rear Upper Rod)



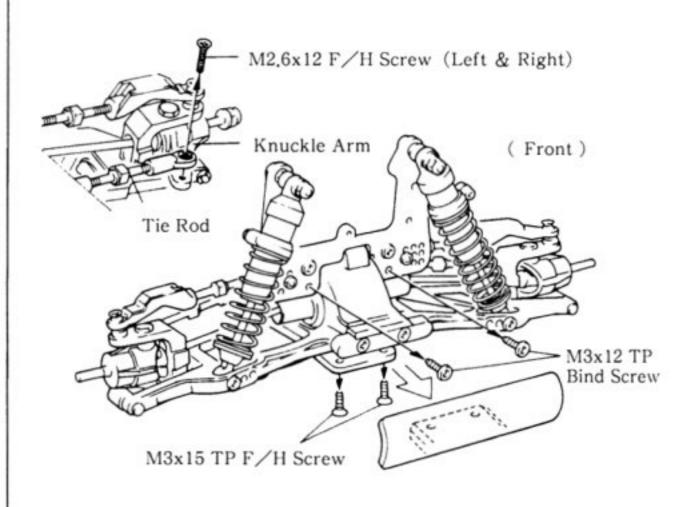
(Setting of Tire)

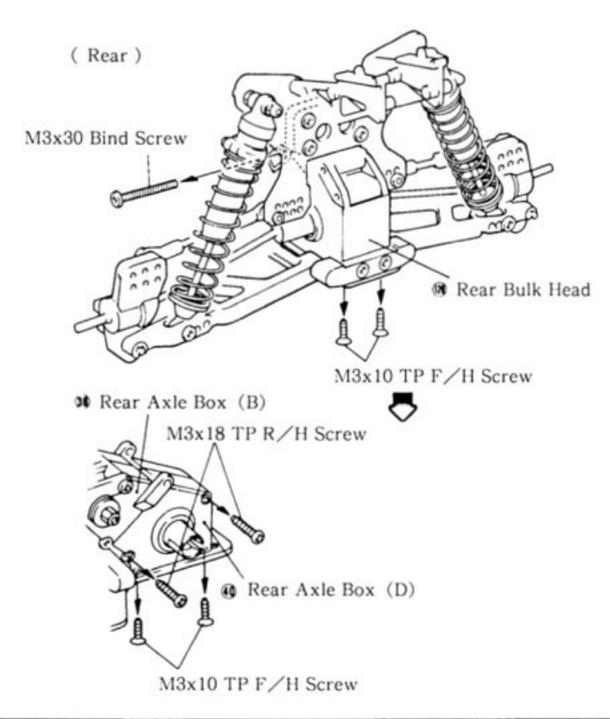
Any of the tires listed below can be used, choose the one most suitable for the road condition.

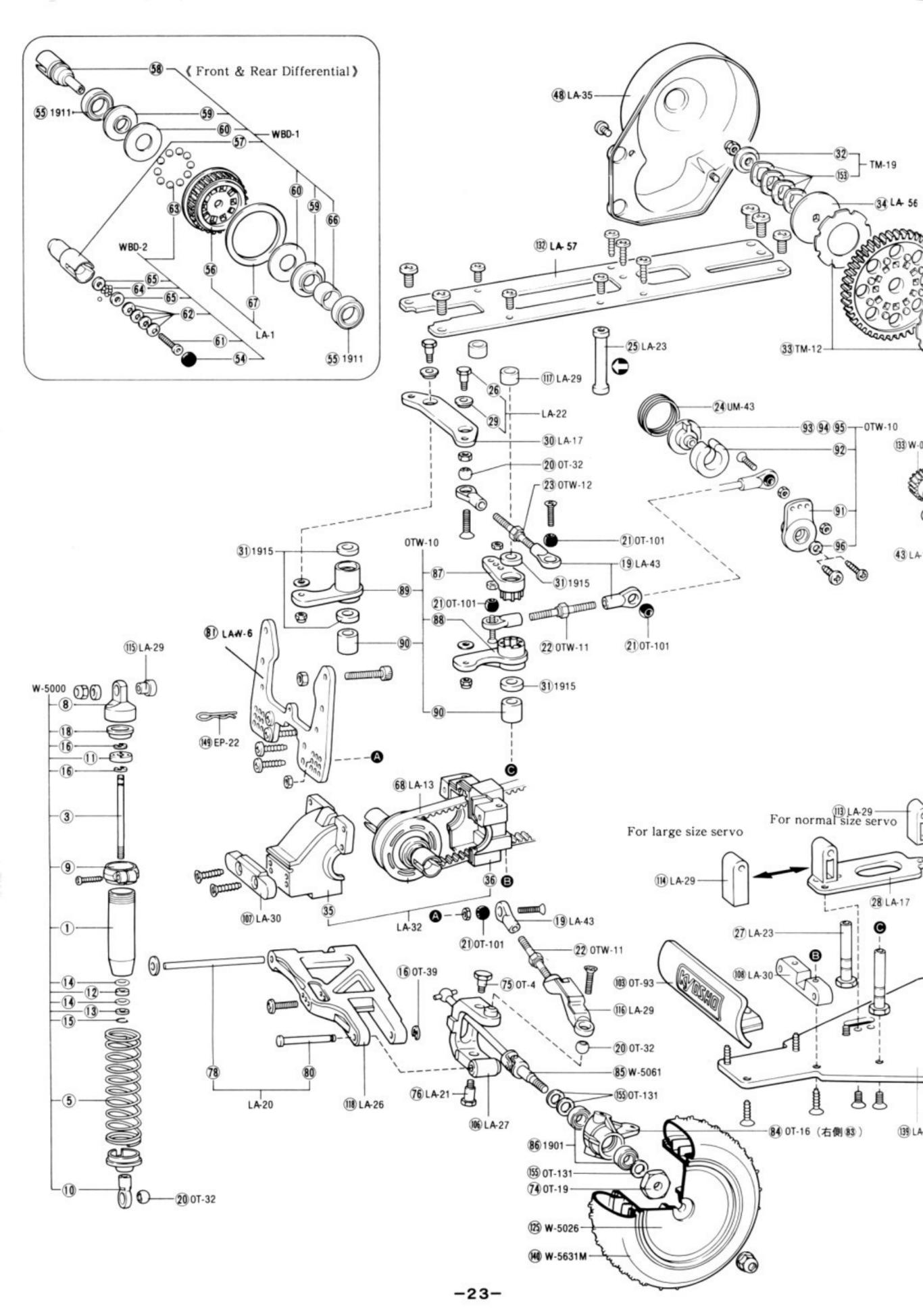


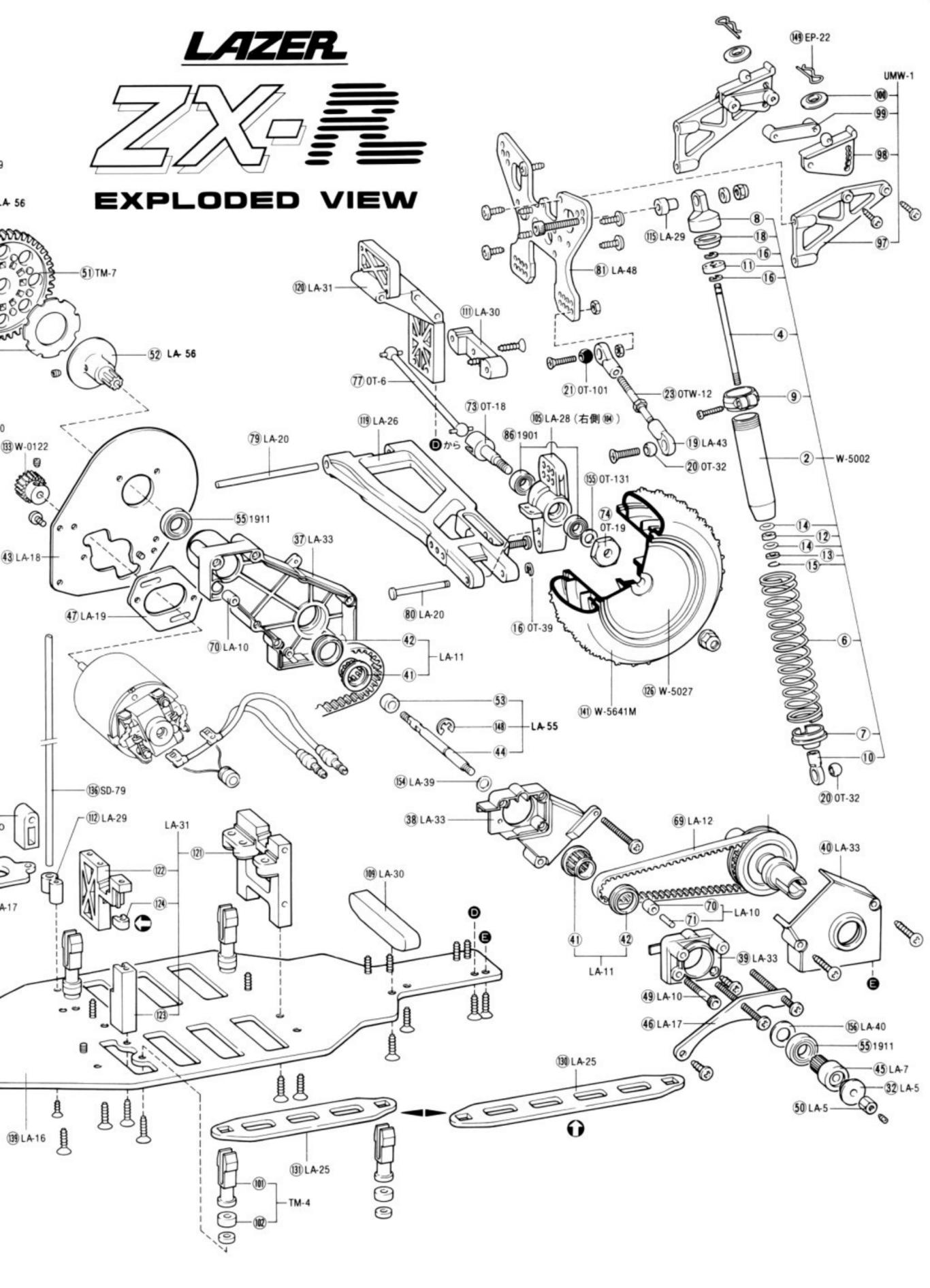
(Maintenance)

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.

No. Parts Name Key No. & Q'ty LA-1 50 80 X 1 Diff, Case LA-5 Guide Plate \$0 X1 \$2 X2 Front Drive Hub LA-7 @X1 W/One Way Clutch LA-10 Belt Rollar Set 19 10 X1 10 X2 LA-11 Drive Pulley Set 10 10 X2 LA-12 Rear Drive Belt 88 X 1 LA-13 Front Drive Belt 68×1 LA-16 Main Chassis @ X 1 LA-17 Plate Set 28 30 46 X 1 LA-18 Motor Plate 3 X 1 LA-19 Mount Plate 10X1 LA-20 Sus. Shaft Set 10 19 X2 10 X4 LA-21 King Pin (L) 70×4 LA-22 Steering Pin 20 29 X 2 LA-23 Saver Shaft Set 29 X 1 27 X 2 LA-25 Stopper Plate Set 18 X 1 (1) X 2 LA-26 Sus. Arm Set @ @ X2 LA-27 Front Hub Carrier ⊗ × 2 LA-28 Rear Hub Carrier ® ®×1 LA-29 Upper Rod End Set 100 X1 100 100 100 100 X2 100 X4 LA-30 Arm Bracket Set 10 00 00 00 00 X1 LA-31 Upper Deck Mount 18 (1) (2) (2) (3) (3) X1 LA-32 Front Axle Box 39 36 X 1 LA-33 Rear Axle Box 30 39 39 40 X 1 LA-35 Gear Cover 48×1 LA-39 4 ϕ Shim Set ® ×20 LA-40 8 \$\phi\$ Shim Set (SQ × 20 LA-41 Velcro @ X2 L A-43 5.8 φ Ball End 19 X12 LA-55 Main Shaft 49 53 60 X 1 LA-56 Drive Hub Set 39 32 × 1 LA-57 Upper Deck (B) X 1 LAW-6 Front Shock Stay 82 X 1 LAW-7 Rear Shock Stay 30 X 1 LA-52 Body Lazer ZX-R @X1 LA-53 Under Cowl ZX-R @ X 1 LA-54 Decal ZX-R @×1 LA-58 Screw ZX-R Screws, Nuts and Wrenches TM-4 Battery Holder Set ® **®** × 4 TM-7 | Spur Gear 30 X 1 (100T - 48P)TM-12 Slipper Plate 33 X 2 TM-19 Wave Washer Set 32 × 1 (9) × 10 TM-28 Wing @ @ X 1 TM-30 Tape Set (B) X 1 OT-4 King Pin 73 X 4 OT-6 | Swing Shaft TOX2 OT-16 Knuckle Arm 83 85 X 1 OT-18 Rear Shaft 03 X 2 OT-19 Drive Washer 3 × 4 OT-32 | 5.8 φ Ball 20 ×10 OT-39 E Ring (E2.5) 16 X10 OT-93 Bumper ® X 1 Ο T-101 5.8 φ Ball 20 X10 (2.6 φ Black) O T-131 | 5 φ Shim Set ® ×20 OTW-10 Uni Crank Servo Saver 1988 1999 1998 1982 OTW-11 Adjust Rod (S) 20 X 2 (M) OTW-12 23 X 2 UM-43 Servo Saver Ring 23×1 UMW-1 | Wing Stay Set ⑨ № ⑨×2 ●×4 1840 Double Sided Tape 1 X @ 1878 | Screw Locking Compound @ X2

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
1901	5 φ x10 Ball Bearing	® ×2
1911	8 φ x14Ball Bearing	 </td
1914	4 φ x8 Metal Bushing	₹®×10
1915	5 φ x8Metal Bushing	⑤ ×10
1943	Cross Wrench	®×1
	D CI 1 (M)	①③⑤.7.80⑥0000000000X2
W-5000	Pressure Shock (M)	19 19 19×4
		200700000000x2
W-5002	• (L)	(3) (3) (6×4
W-5026	Narrow Wheel 56	®×2
W-5027		®×2
W-5061		
	8	11 6 ~ 2
W- 5631M	Narrow Tire 56 size Medium H Pin	®×2
W- 5641M	Tire 56 size Medium H Pin	®×2
WB D-1	Ball Diff, Shaft Plate Set	⑤ 50 60×1 59 60×2
WBD-2	Ball Diff, Ball Set	9(0) ×1 (0) ×2 (0) ×10 (0) (0) ×12
E F -37		®×6
E F -39		®×6
E P-22	Hook Pin	@×5
S D -79		®×5
	Optional Parts	
L AW-2		
L AW-3		
W-0117	Hard Pinion Gear	
W-0125	(17T-48P~25T-48P)	Hard
WB D-4	Pressure Plate	@×2
1877	Ball Diff, Grease	8 ^ 2
1883		20
1902	Frontier Hobby Oil	30 cc
1902	5 φ x8 Ball Bearing	Replace (31)
1951	4 \phi x8 Ball Bearing	Replace (72)
1953	Shock Oil (S,M,H)	Soft, Medium, Hard Set Soft
1954	Silicone Oil (S)	
	• (M)	Medium
1955	• (H)	Hard
W-5016	Plastic Parts Set for Pressure Shock	⑦ ⑨ 10 11)×2
W-5017	Pressure Top Set for Pressure Shock	10 ×10
W-5018	O Ring Set for Pressure Shock	12 15×2 14 15×4
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-	Tire 56 size	
5641 S	H Pin Soft	
W- 5642 S	Tire 56 size Micro Block Soft	
W- 5642M	Tire 56 size Micro Block Medium	
L A - 2		
W-5085	Spur Gear Hard Pinion Gear	
W-5095		Use as a set

-25- NO. 3147

-The Super Hobby-



This products is not to be sold in the United States, If you have purchased this product in the United States, please contact Kyosho U.S.A.phone number (217) 398-3630.

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.

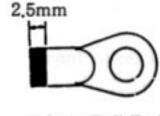
Bag No.	Key#	Parts Name	Q'ty	
ZXR-2	149	Hook Pin	3	Q'ty 3 → 7
	153	Wave Washer	4	Q'ty 4 → 0 (Not using)
ZXR-3	19	5.8mm Ball End	12	Q'ty 12 → 16
	22	3x32 Adjust Rod	3	Q'ty 3 → 1
	25	Upper Deck Post	1	Q'ty 1 → 0 (Not using)
	157	3x50 Adjust Rod	2	Additional Parts
0	158	M3 Tapered Washer	4	Additional Parts
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.

Plastic Collar (2 pcs.)

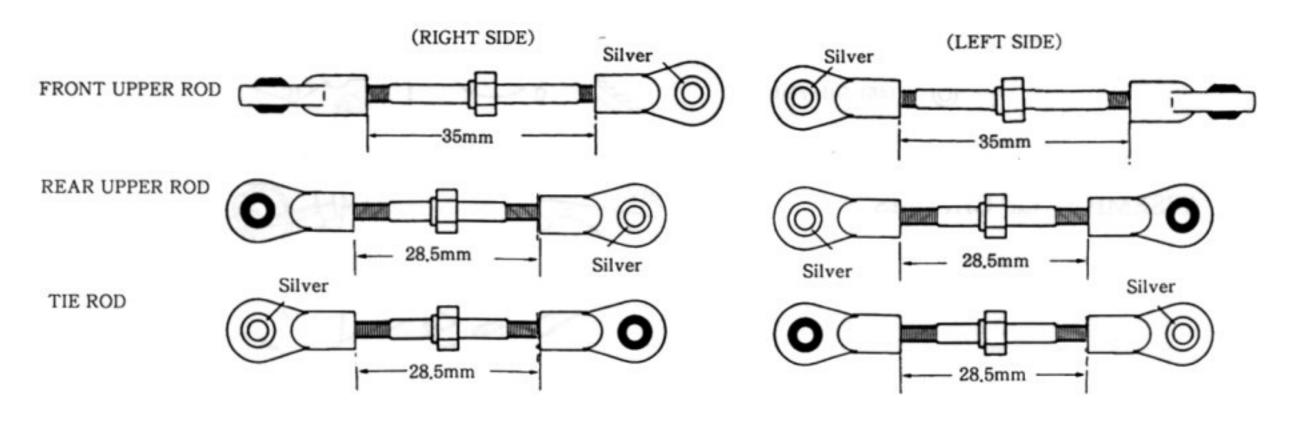
Cut off the shaded area.



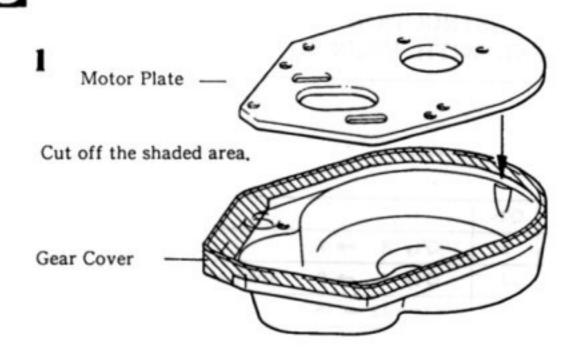
5,8mm Ball End

ASSEMBLY OF CONTROL ROD

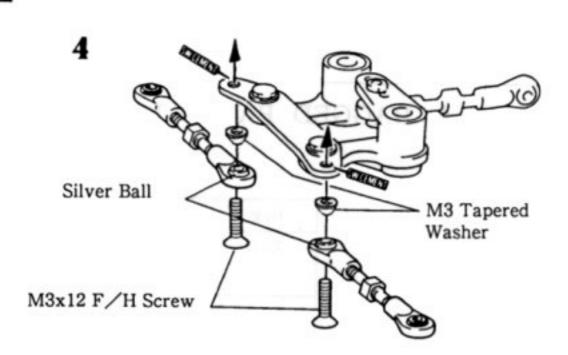
Assemble the control rods as shown below.



CUTTING GEAR COVER



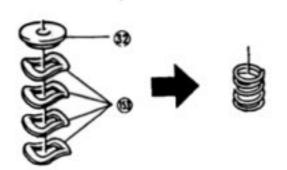
ASSEMBLY OF UNI CRANK



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,

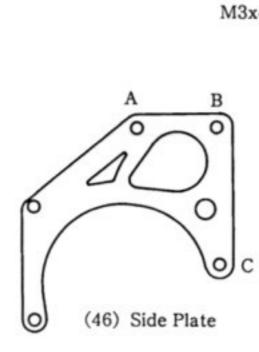


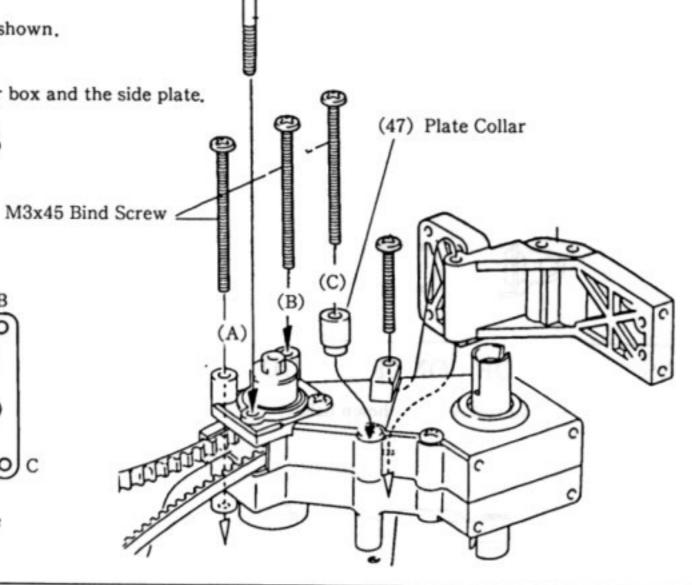
8 ASSEMBLY OF REAR ALXE BOX

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



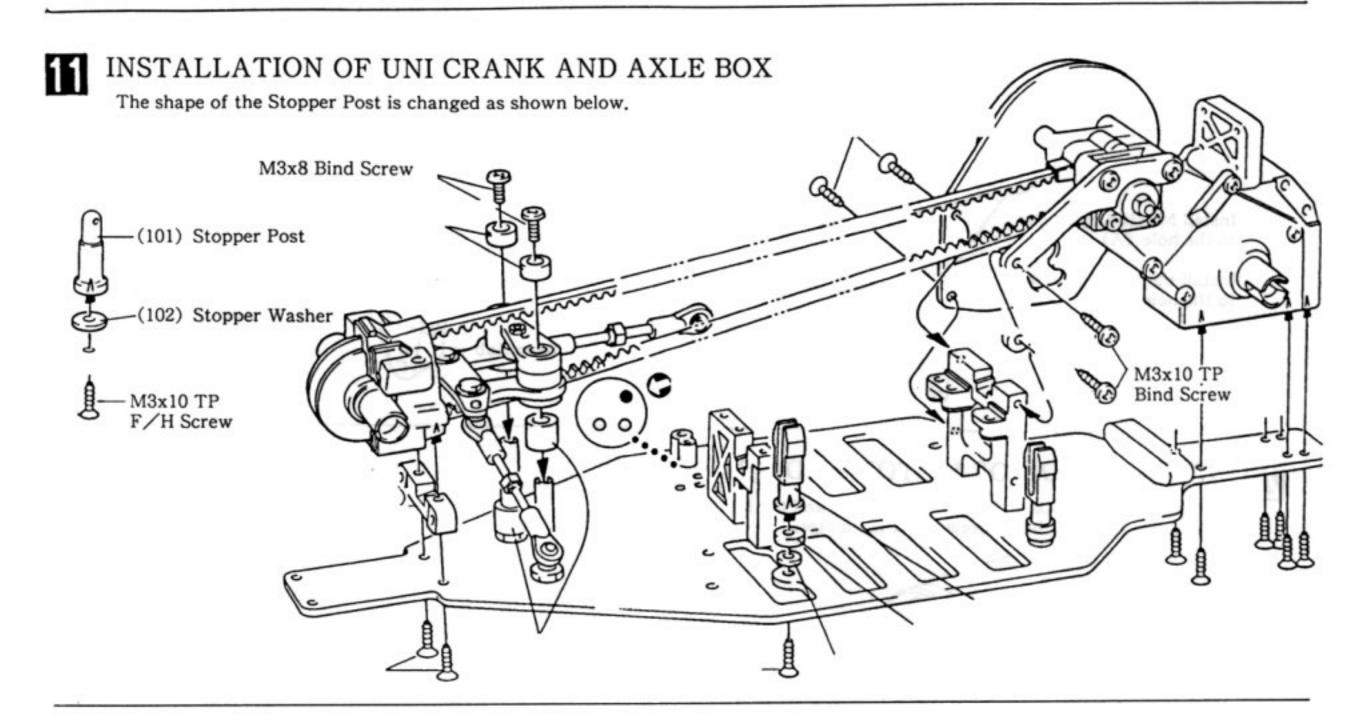


9

ASSEMBLY OF CHASSIS

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

The Upper Deck Post is not used.

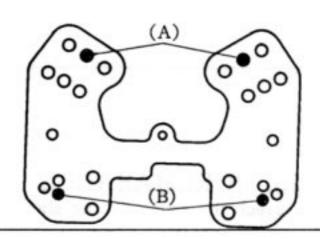


12 INSTALLATION OF FRONT SHOCK STAY

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

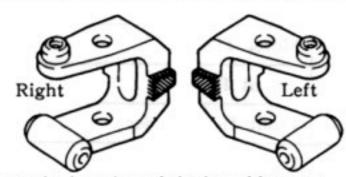
Install the M3x18 Cap Screws to the holes (A).

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

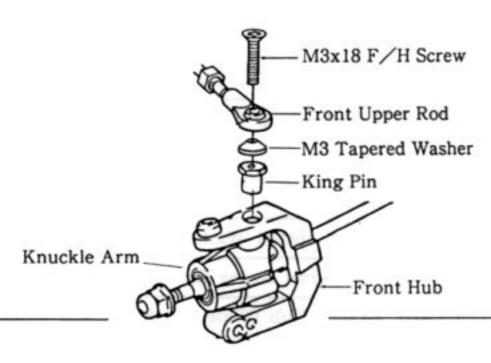


3 ASSEMBLY OF KNUCKLE ARM

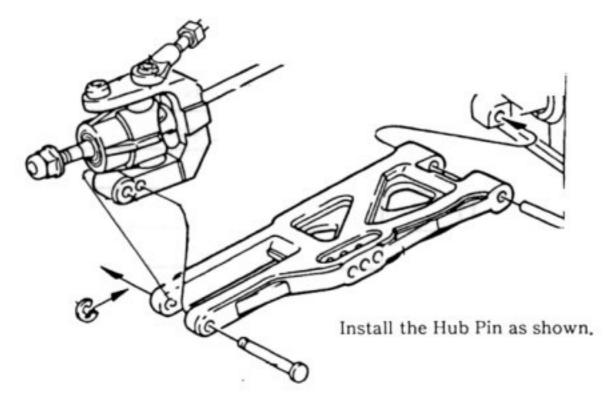
(1) Not need to cut off the shaded areas of the Front Hubs.

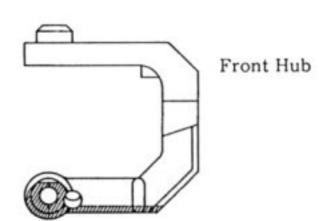


(2) Be careful about the location of the knuckle arms,



INSTALLATION OF FRONT SUS ARM





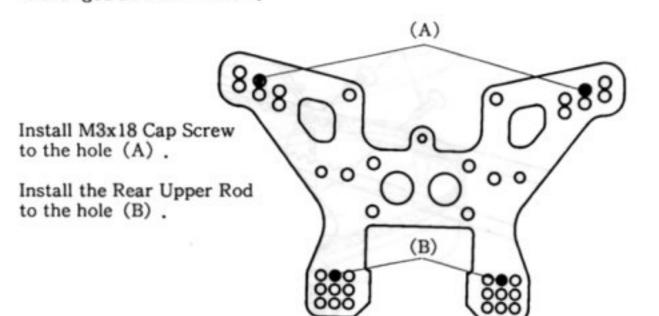
Cut the shaded area where to hit the Sus.Arm.

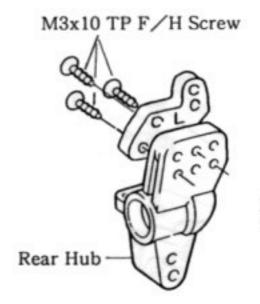
16 INSTALLATION OF REAR SHOCK STAY

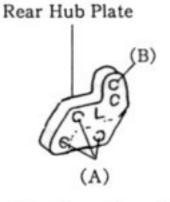
77 ASSEMBLY OF REAR HUB

Install the Rear Hub Plate to the Rear Hub.

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



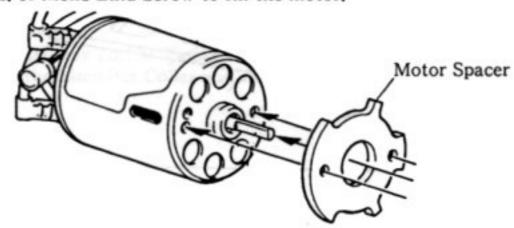




Install the Rear Upper Rod to the hole (B).

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)
(I nese	parts	arc	1100	uscu/

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			
	duli const	M3x30 Bind Screwx1 M3x45 Bind Screwx3		Optional Parts	
LA63	King Pin Set	75x2	LAW3	Carbon Main Chassis	
	The second secon	M3x18 F/H Screwx2	D. D.		
			1/2		





PLEASE FOLLOW THESE PRECAUTIONS.

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



