RADIO CONTROLLED ELECTRIC POWERED RACING BUGGY

OFF-ROAD RACER

ULTINA II

- HIGH-PERFORMANCE 2WD OFF-ROADER. DEVELOPED FROM THE ORIGINAL CHAMPIONSHIP-WINNING ULTIMA.
- OEXCELLENT CHOICE FOR THE NEWCOMER TO COMPETITON.

 CAN BE UPGRADED WITH MANY OPTIONAL PARTS AS SKILLS ADVANCE.
- ○LONG-TRAVEL ALL-INDEPENDENT SUSPENSION WITH QUALITY OIL-FILLED SHOCKS TO SOAK UP BUMPS AND KEEP YOUR BUGGY ON THE WINNING COURSE.
- OSTRONG, RIGID AND LIGHT DOUBLE—DECK CHASSIS WITH GLASS—REINFORCED KELRON MAIN CHASSIS. FLAT, NO—DRAG BOTTOM SURFACE.
- OMOUNTS PROVIDED FOR BOTH STICK AND SADDLEPACK BATTERIES. EASY INSTALLATION AND REMOVAL.
- OPOWERFUL LeMANS STOCK 05 MOTOR AND HIGH-QUALITY ROTARY SPEED CONTROLLER INCLUDED IN KIT.
- BATTERY:7.2V-1200/1700mAh (NOT INCLUDED)
 RADIO:2 CHANNEL BEC TYPE (NOT INCLUDED)



BEFORE ASSEMBLY

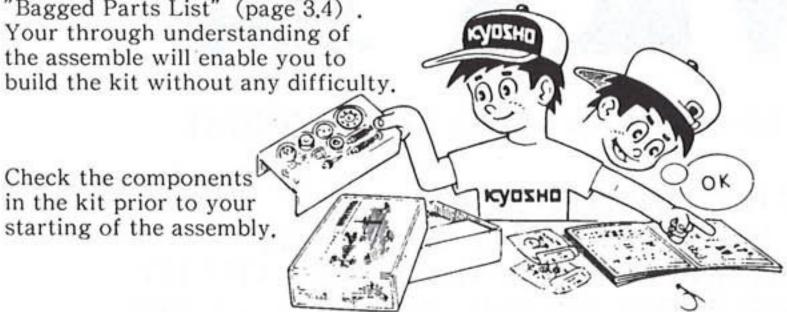
O Read the instruction carefully.

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

OCheck the parts in the kits.

Check to see if all the parts are correctry bagged as they are listed in the "Bagged Parts List" (page 3.4) . Your through understanding of the assemble will enable you to

Check the components in the kit prior to your starting of the assembly.



Oh,

I see.

in the process of assembly will not be accepted.

Any claims for replacements or refunds for the model

Instruction

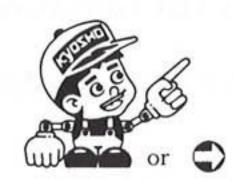
Instruction

- SWCIMEN ... Place to put some locktite.

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

GREASE ... Point where grease should applied.

It will reduce friction are assure smooth movement.



... Steps where your paticular attention is required.

OBe well aware of the different types of screws.

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

 Ordinaly Screw Some of them Finer Thread Coarser Thread pointed tips.

2) The kinds of screws which will be used in this instruction.

 Bind Screw Round Head Screw Flat Head • Set Screw

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

Screw

O Pick up the correct parts and screw.

Compare the shape and size of small parts. such as screws, nuts, and washers.

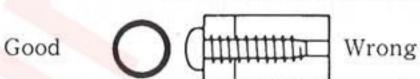
O Be sure about the location and direction of parts to install.

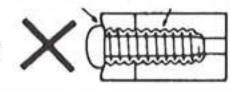
Double-check the location and orientation of parts with the illustration before installation. When neccessary, assemble the parts themselves tentatively before proceeding to the next step.

O Do not tighten the TP Screw to 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 part on the screw goes into the plastic part and you feel some resistance from the tightening.

Over tighten may strip the thread in the plastic.





8

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Check up

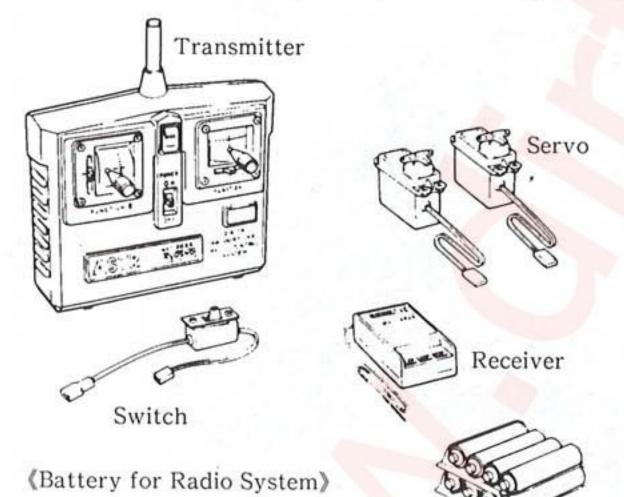
THINGS NEED BESIDES THE KIT

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,

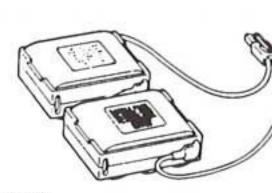
Ultima II is designed to use BEC type radio. A radio contained in a box with this type of logo is a BEC type radio.



For transmitter ... 8 pcs.

(Ni-Cad Battery)

Ultima II is designed to use a rechargeable 7.2V Ni-Cad Battery Pack.



No.2331 7.2V - 1200 SCR Saddle Pack

No.2320 7.2V - 1700 SCE Saddle Pack

No.2310 7.2V Sprint Battery SCR No.2306 7.2V Power Battery





《Charger for Ni-Cad Battery》

The Kyosho's Ni-Cad battery is high performance. If it is charged correctly, it will operate for a considerable period of time. Use one of the chargers listed which suits your need.

Model	Name	Time	Rate	Features
2326	7.2V Power Charger	15 min,	70%	For bigginer Built-in timer
1849	Multi Charger II	20 min.	100%	Built-in timer, Ammeter
2246	FET Auto Charger	20 min.	100%	Trickle charging Automatic cut – off

(Tools Required) Cross Wrench, a Hex Key, Grease, and Screw Locking compound are in the kit. Micron Line Tape Polyca Color Paint Awl Micron Line Tape Needle Nose Pliers -0 Cross Wrench KYOZHO Round Cutter Wire Cutter Philips Screw Driver Sander Instant Glue Brush

NO. 3118

Sharp Hobby Knife

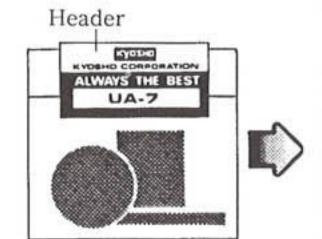
《Do not throw away a bag header》

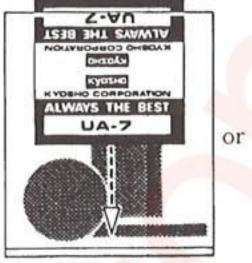
BAGGED PARTS LIST (1)

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

<example></example>	<u>77)</u> E	BALL	NUT	(UA-7)
	Key No.	Parts Name		Number of Header

		No. Name		Header
Bag No.	Key #	Parts Name	Q'ty	Step
	1	Sus. Shaft (B)	2	M
	2	Motor Plate	1	5
	3	5,8 φ Ball (Silver)	2	2
UA-2	4	Front Shock Stay	1	14
OH Z	5	Rear *	1	9
	6	4 φ x8 Metal Bushing	4	35
	7	5 φ x10 *	6	5711
	8	10 φ x14 *	2	4
UA-3	9	Front Wheel	2	34
07.0	10	Rear *	2	34
	11	Joint	2	4
	12	Rear Wheel Shaft	2	00
	13	Drive Washer	2	100
	14	Bevel Gear (A)	2	3
	15	, (B)	2	8
	16	Bevel Shaft	1	3
	17	Pinion Gear (15T)	1	28
	18	Swing Shaft	2	12
	19	Center Gear Shaft	1	27
	20	Final Pinion Gear	1	6
114 4	21	Counter Gear	1	5
UA-4	22	Main Gear	1	3
	23	Diff. Case	1	3
	24	Center Gear	1	27
	25	Front Wheel Shaft	2	113
	26	Counter Gear Shaft	1	5
	27	2 φ x11 Pin	3	56
	28	Servo Saver Shaft	2	18
	29	Radio Plate Post	2	25
	30	Metal Collar	2	8
	31	Center Gear Metal Bushing	1	27
	32	O Ring (Black)	1	20
	33	Front Shock Shaft	2	
	34	Rear *	2	1
	★ 35	Shock Piston	4	61
	36	Pressure Top	4	2
	37	Front Shock Spring (Black	2	2
	38	Rear * (Gold)	2	2
	39	Front Shock Case	2	10
UA-5	40	Rear *	2	10
	★ 41	Shock Cap	4	2
	★ 42	Spring Holder	4	2
	★ 43	Spring Floider Spring Spacer	4	2
	44	Shock Ring	4	2
	45	Shock End	4	11
	46	E Ring (E2.5)	10	1 Sparex
	★ 47	Front Hub	2	
	0 97.5			116
114 6	★ 48	Rear * (Right)	2	00
UA-6	★ 49	Knuckle Arm (Right) (Left)	1	18
	★ 50			18
	51	Front Bulk Head	1	14





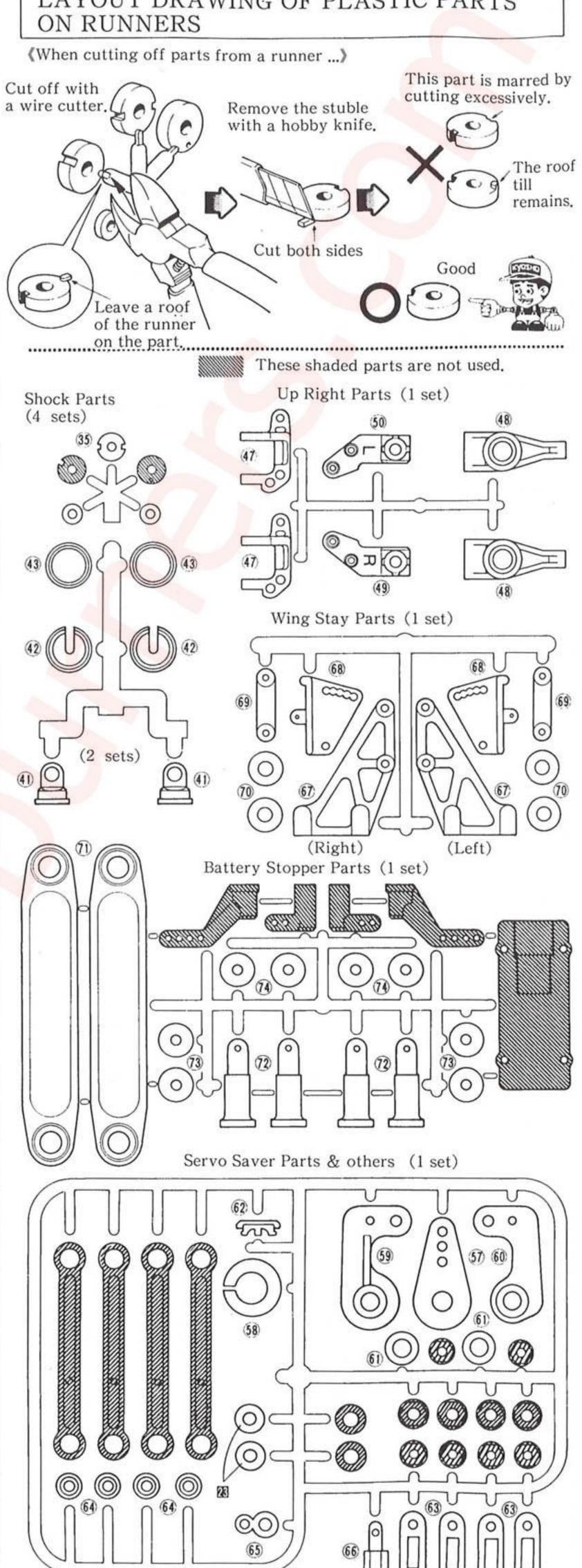


1		Keep it in the bag.		it on the vith tape.
Bag No.	Key #	Parts Name	Q'ty	Step
249 1101	52	Rear Bulk Stopper	1	112
	53	Rear Bulk Head	1	9
	54	Gear Cover	1	29
	55	Front Sus, Arm	2	115
	56	Rear *	2	m
	★ 57	Servo Saver (A)	1	00
	★ 58	* (B)	1	100
	★ 59	* (C)	1	00
	★ 60	/ (D)	1	07
	★ 61	Servo Saver Collar	2	[18]
	★ 62	Gear Box Hatch	1	10
	★ 63	Servo Stay	4	21
UA-6	★ 64	Shock Collar	4	30 32
	★ 65	Antenna Post	1	25
	★ 66	Body Hook	1	28
	★ 67	Wing Stay (A)	2	31
	★ 68	* (B)	2	31
	★ 69	, (C)	2	3 Sparex2
	★ 70	Wing Washer	4	40
	★ 71	Battery Stopper	2	36
	★ 72	Stopper Post	4	36
	★ 73	Stopper Washer (Thin)	4	36
1	★ 74	/ (Thick)	4	36
	121	Bumper	1	30
	75	5.8 φ Ball End	12	8
	76	4.8 ¢ *	2	20
	77	Ball Nut	1	10
	78	M2.6 Pillow Ball (Black)	6	9 13 17
	79	M3 * (Silver)	8	11 113 114 32
	80	Sus, Shaft (A) (Black)	2	100
	81	* (C) (Silver)	2	115
UA-7	82	* (D)	2	15
9	83	King Pin	2	113
	84	Center Rod	1	00
	85	Speed Control Rod	1	20
	86	Steering Rod	1	21
	87	Rod (S)	4	8
	88	* (L)	2	8
	89	4.8 φ Ball	1	28
	90	Gear Box (R)	1	5
	91	* (L)	1	7
	92	Radio Plate	1	283
	93	Double Sided Tape	1	33
	94	Strap (S)	2	28 88
114.0	95	NiCd Strap	2	36
UA-8	96	Antenna Pipe	1	88
	97	Shock Oil (Green)	1	2
	98	Screw Locking Compound	1	
	99	Silicone Grease	1	
	100	Cross Wrench	1	
	101	Gear Cover Seal	1	29
			NO. 3	118

BAGGED PARTS LIST (2)

Bag No.	Key #	Parts Name		Q'ty	Step
***	102	Rotary Speed Co	ontroller	1	23
	103	15W Resistor		1	26
	104	Resistor Heatsir	nk	1	26
UA-8	105	Resistor Base		1	26
	106	Resistor Stay		1	26
	107	Le Mans Stock	05 Motor	1	23
	108	Motor Cord		1set	28
	109	Front Tire		2	34
	110	Rear *		2	34
	111	Body		1	37
BOX	112	Main Chassis		1	10
	113	Wing		1	377
	114	Decal		1	39
		Instruction		1	
	46	E Ring (E2.5)		9	Sparex
	115	* (E3)		3	■ Sparex1
	116	* (E4)		2	7 Sparex
	117	Hook Pin		7	29 36 40
	118	Body Pin		2	40
	119			1	23
	100000	Hex key (1.5)		1	
	120	# (2)	MOVA	1	4
		RH Screw	M2X4		
		*	M3×16	4	
	-	,	M 3 × 33	3	
		Bind Screw	M2.6×6	1	
		*	M3X6	10	
		"	M3×18	4	
		"	M 3 × 35	1	
		4	M4X8	4	
		FH Screw	M3X6	4	
UA-1		*	M4×8	8	
		*	M 4 × 12	4	
		TP RH Screw	M2X8	1	
		"	M2×10	4	
		*	M3×18	1	
		TP Bind Screw	M2.6×12	4	
		"	M3X8	18	
		"	M3×10	3	
		TP FH Screw	M3×10	2	
		"	M3×15	5	
		Set Screw	мзхз	1	W
	3,01,00	4	M4×4	2	
		Nut	M2.6	8	3 kinds
		,	МЗ	10	
		Nylon Nut	М3	4	
	- 27413115-	, ,	M 4 Flange	-	
		Washer	M3	1	
		Washer	M4	2	
		"	M5	2	
			IVI J		
			/		
			-		
	N. Committee				

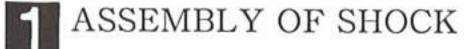
LAYOUT DRAWING OF PLASTIC PARTS



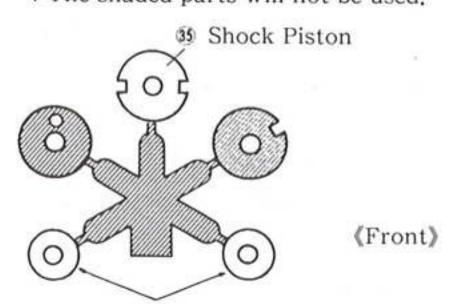




See page 20



*The shaded parts will not be used.



Each 2 pcs. will be use d in step 30 and 32.

* When you use large servo...
Use in step 22 and 24.

€ E Ring (E2.5)8

《Rear》

Assemble 2 each for the front

and the rear.

 \bigstar These parts used in this step are in bag [UA-5].

© E Ring (E2.5)

Si Front Shock Shaft (Short one)

E Ring (E2.5)

Rear Shock Shaft (Longer one)

Fit an E Ring a pair of pliers.

Do not tig the shock too tight,

Front Shock Case -(Shorter one)

Rear Shock Case (Longer one)

Do not tighten the shock end too tight.

Wrap paper or tape around shaft to prevent pliers from marking it.

hock Case rone)

Be sure to install a rod of correct length in the front and rear shcoks.

2 FILLING OF SHOCK

Pull down the piston to the bottom and 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 shock ring graduary, then excessive oil will run over.

It should move without any binding.

Fill the cylinder to slightly above brim.

(Assembly of Shock Head)

Pressure Top
(UA-5)

Shock Cap
(UA-5)

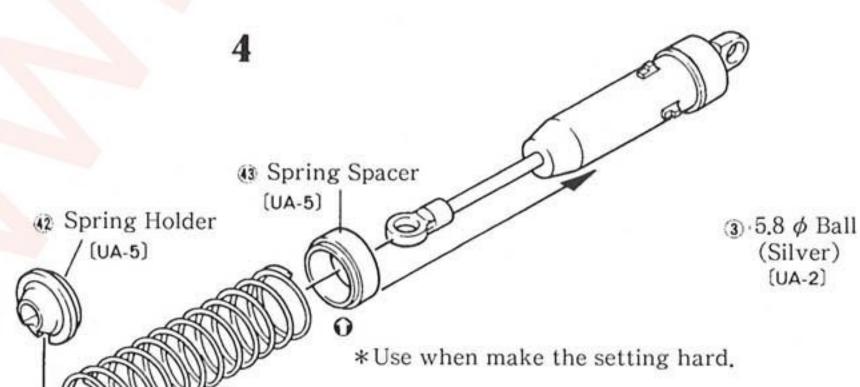
Shock Ring
(UA-5)

In the end, tighten it firmly so that the oil will not leak out.

Confirm that it will work smoothly by moving the piston up and down.

5

(3) 5,8 \(\phi \) Ball (Silver) \(\cdots \) \(\cdots \) \(\cdots \)



Front Shock Spring

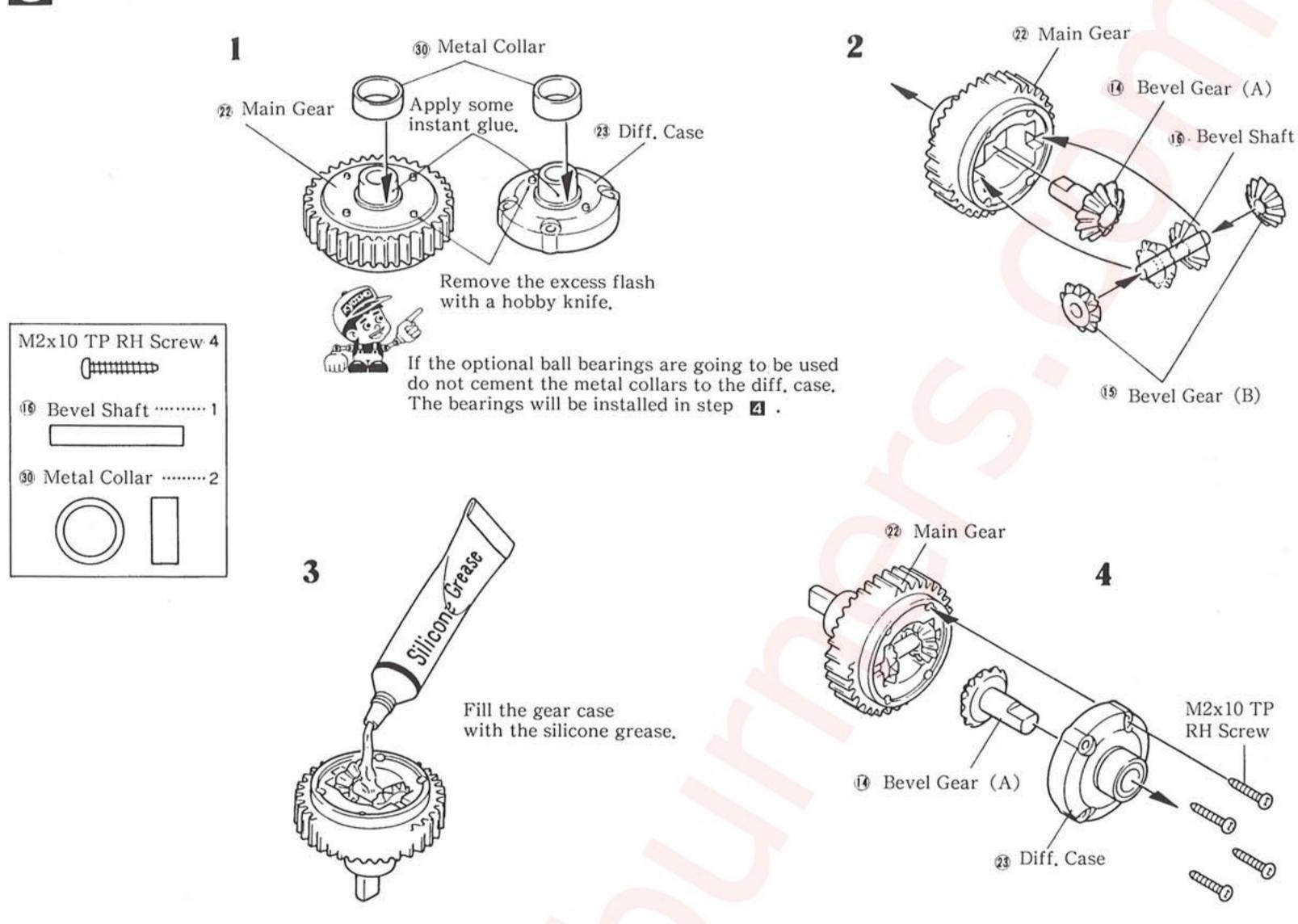
38 Rear Shock Spring

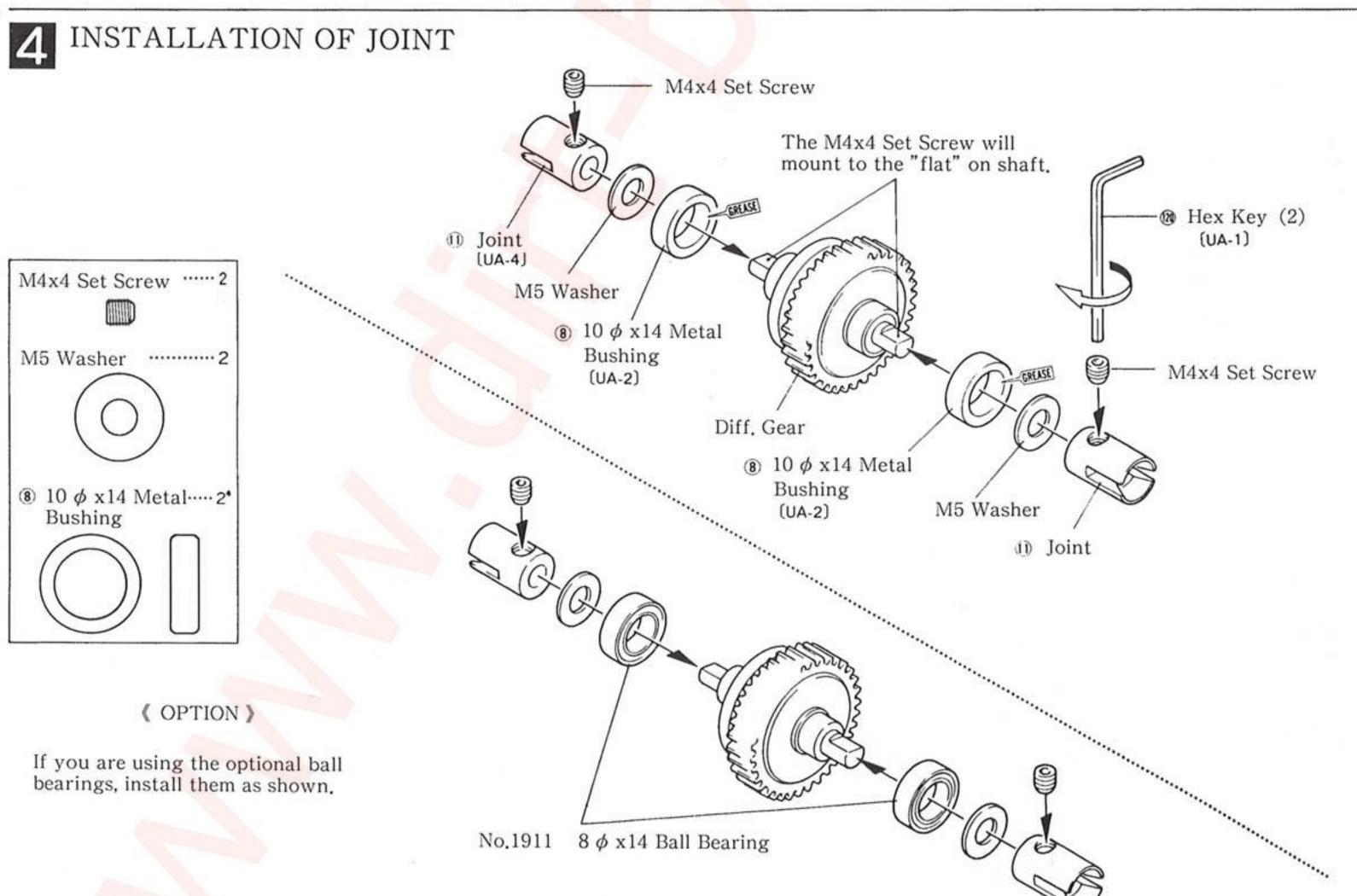
*Push in the 5.8 ϕ Ball only for the front.

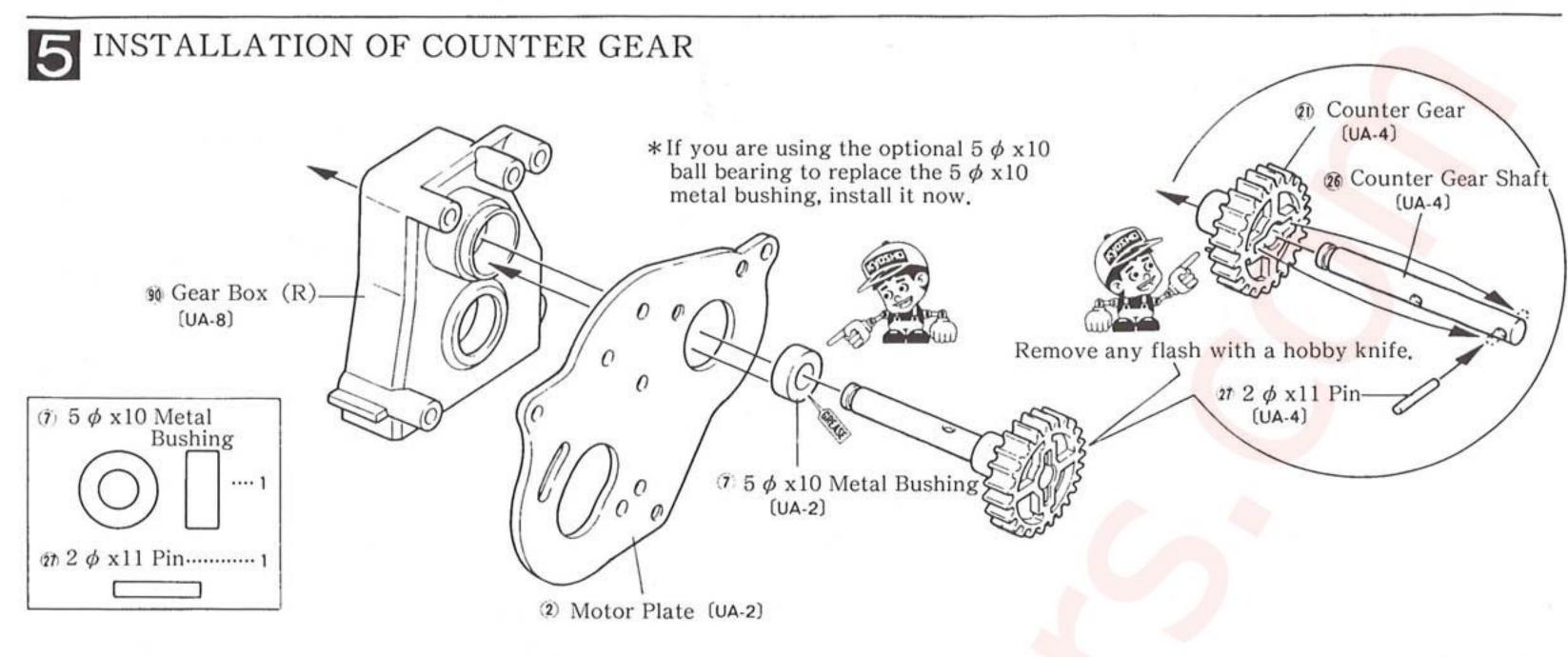
(UA-5) (Gold)

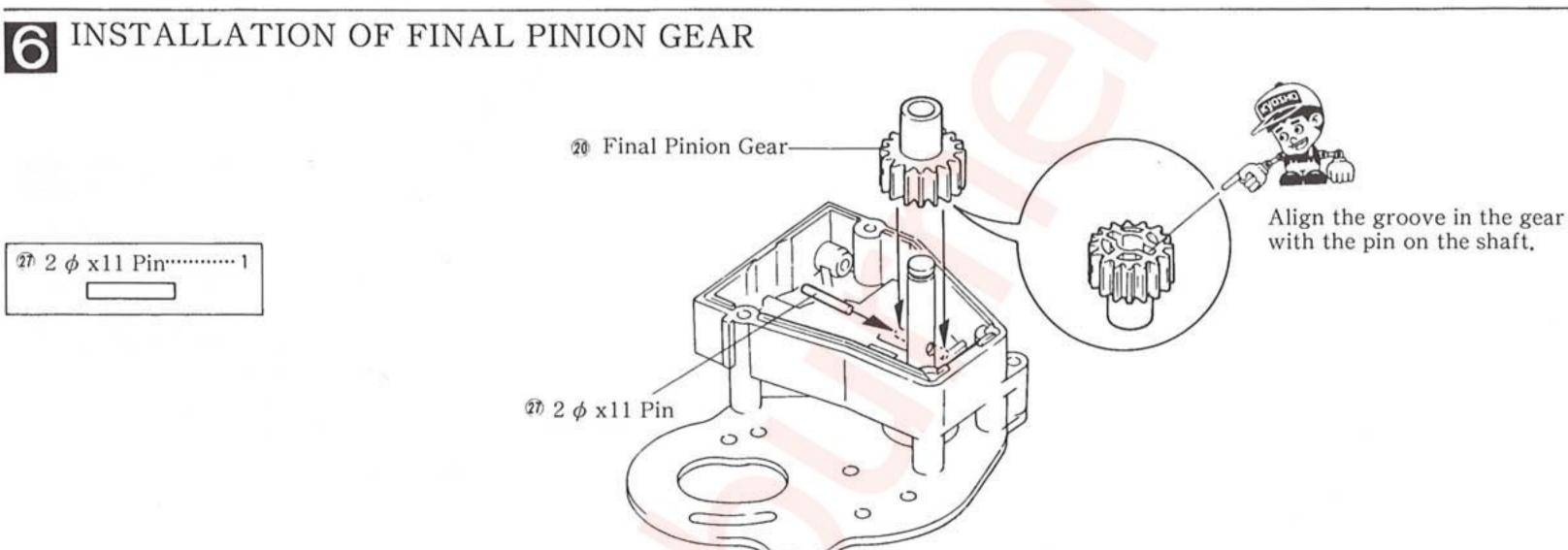
(UA-5) (Black)

3 ASSEMBLY OF DIFF. GEAR

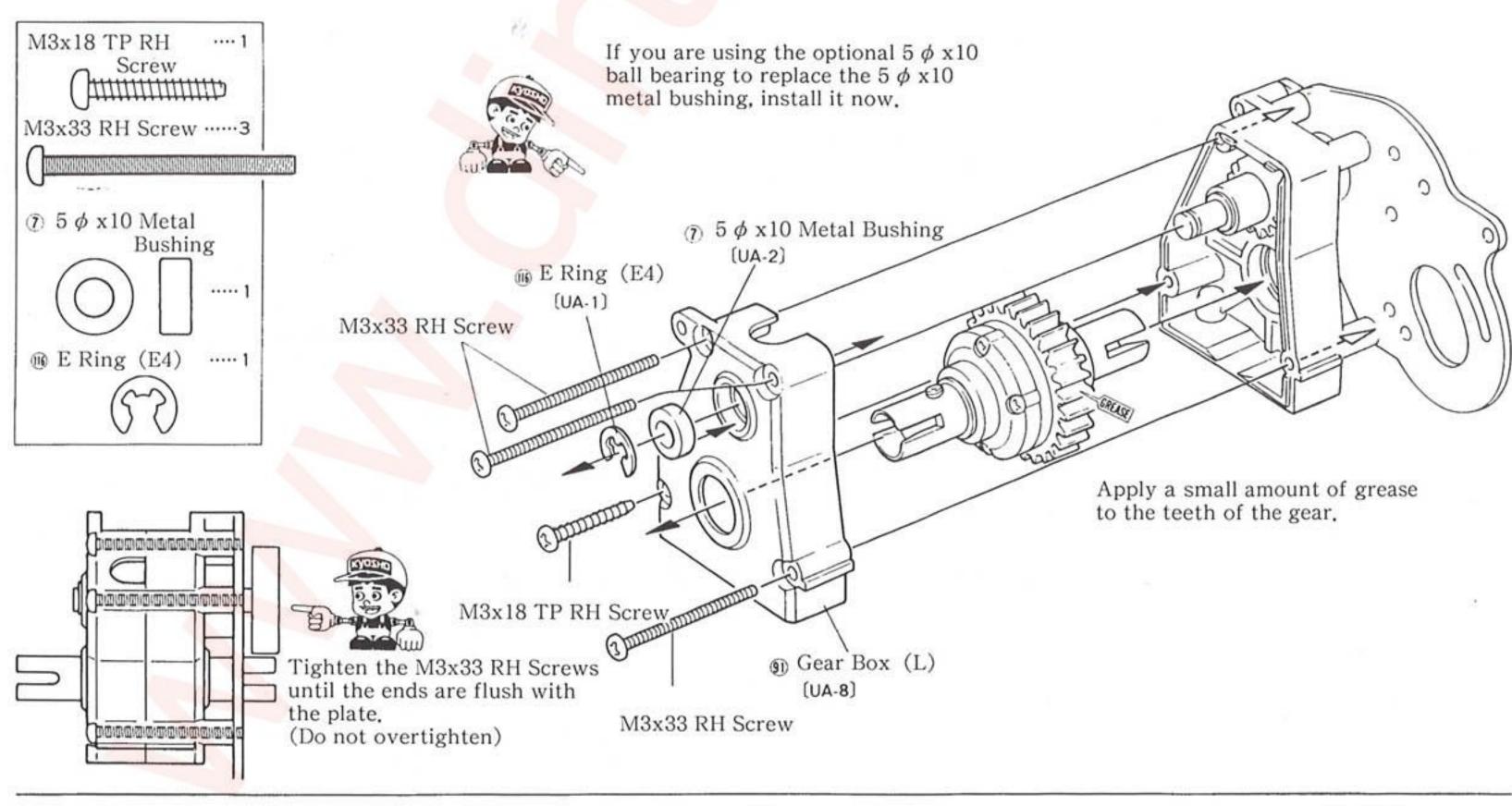


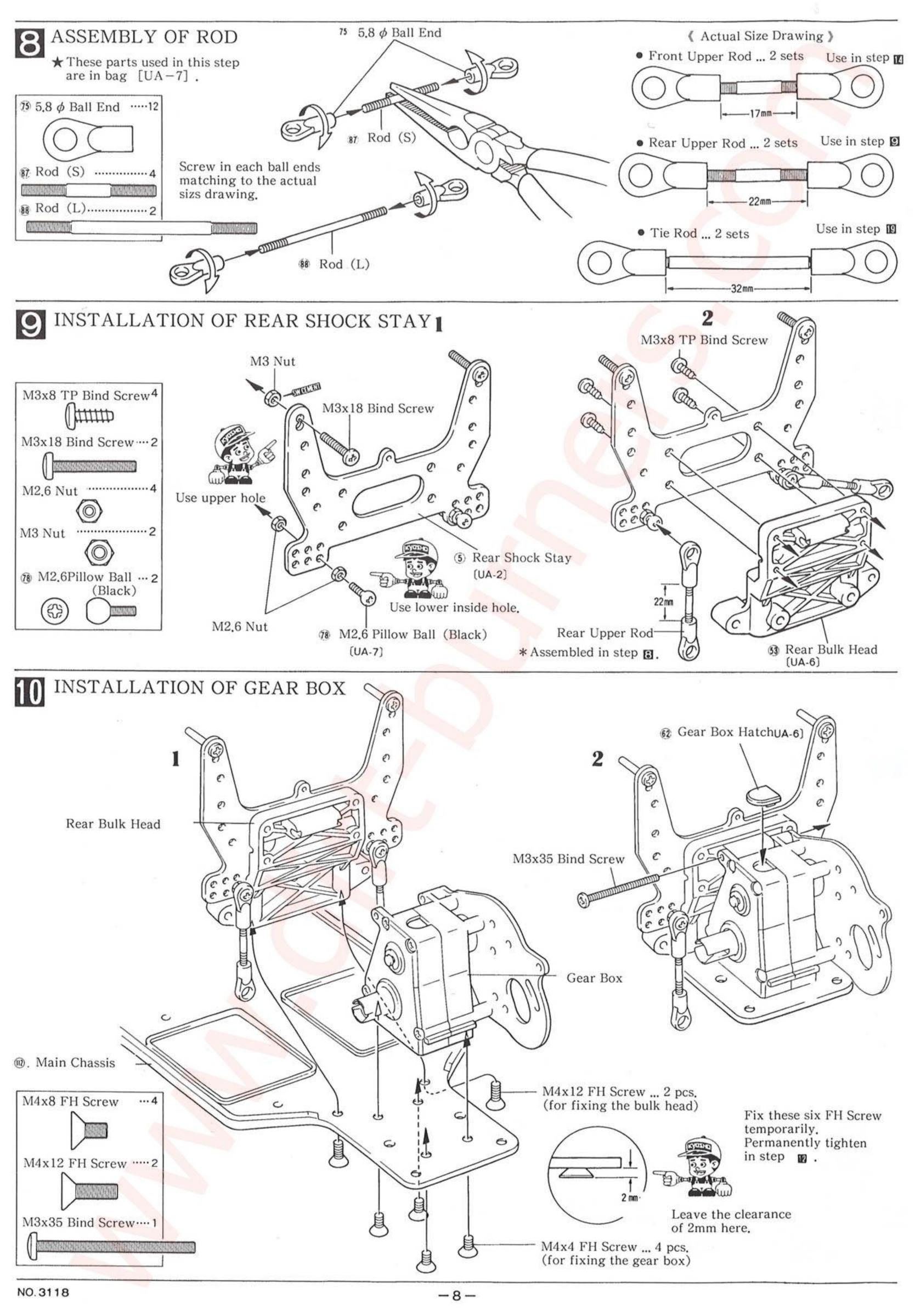


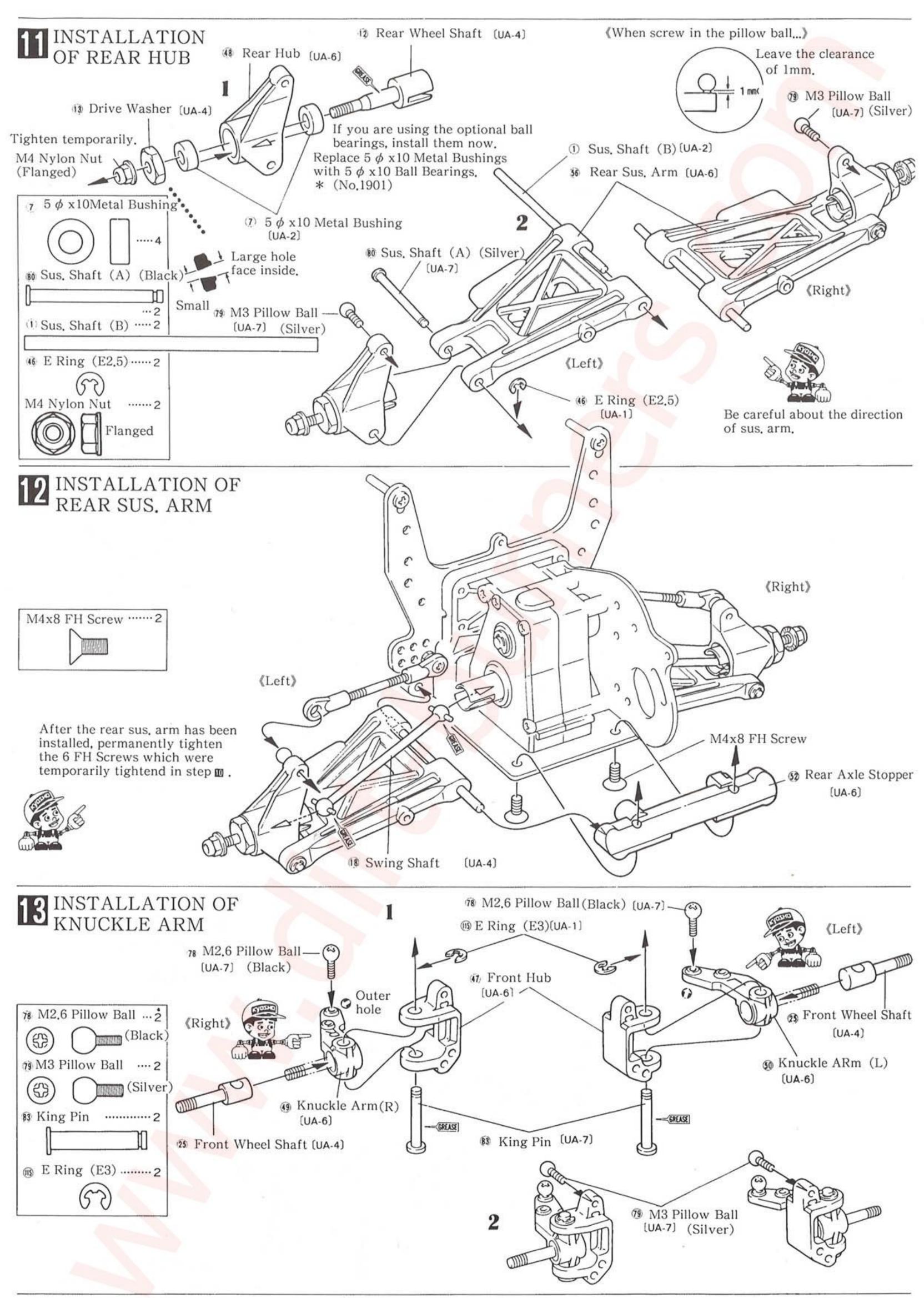


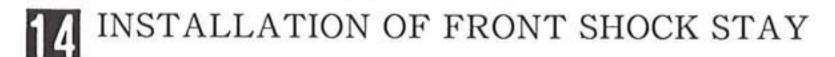


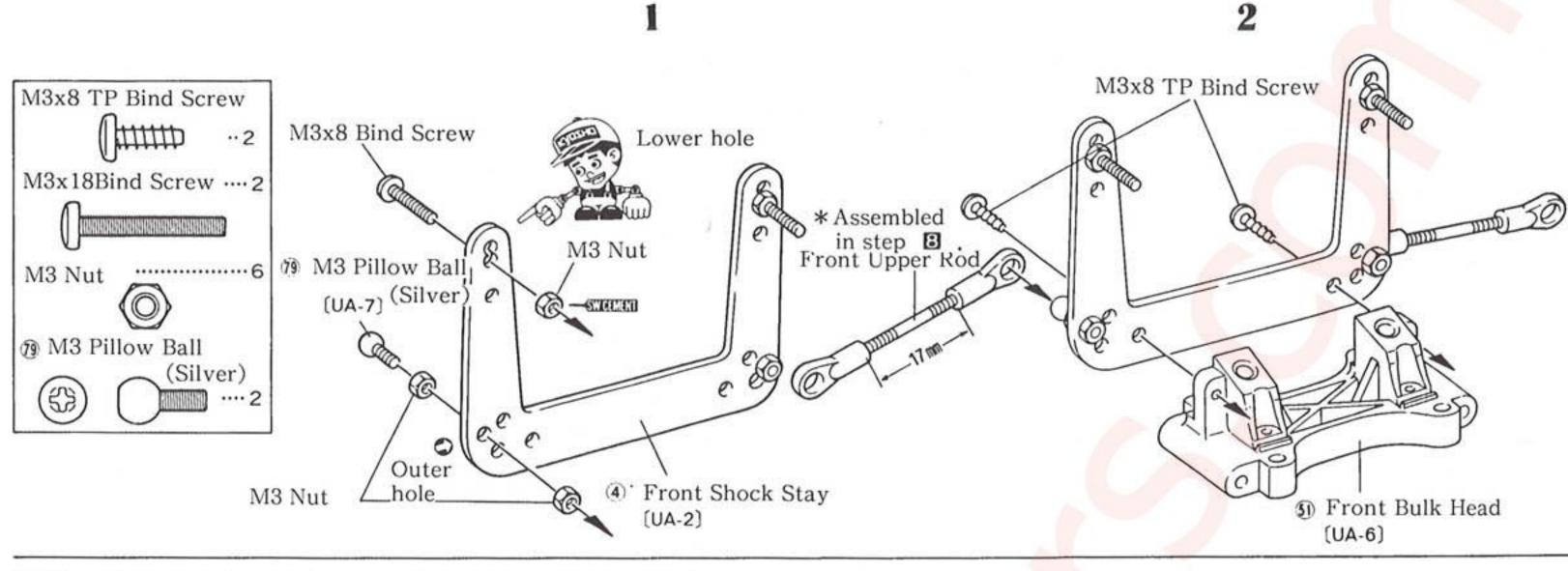




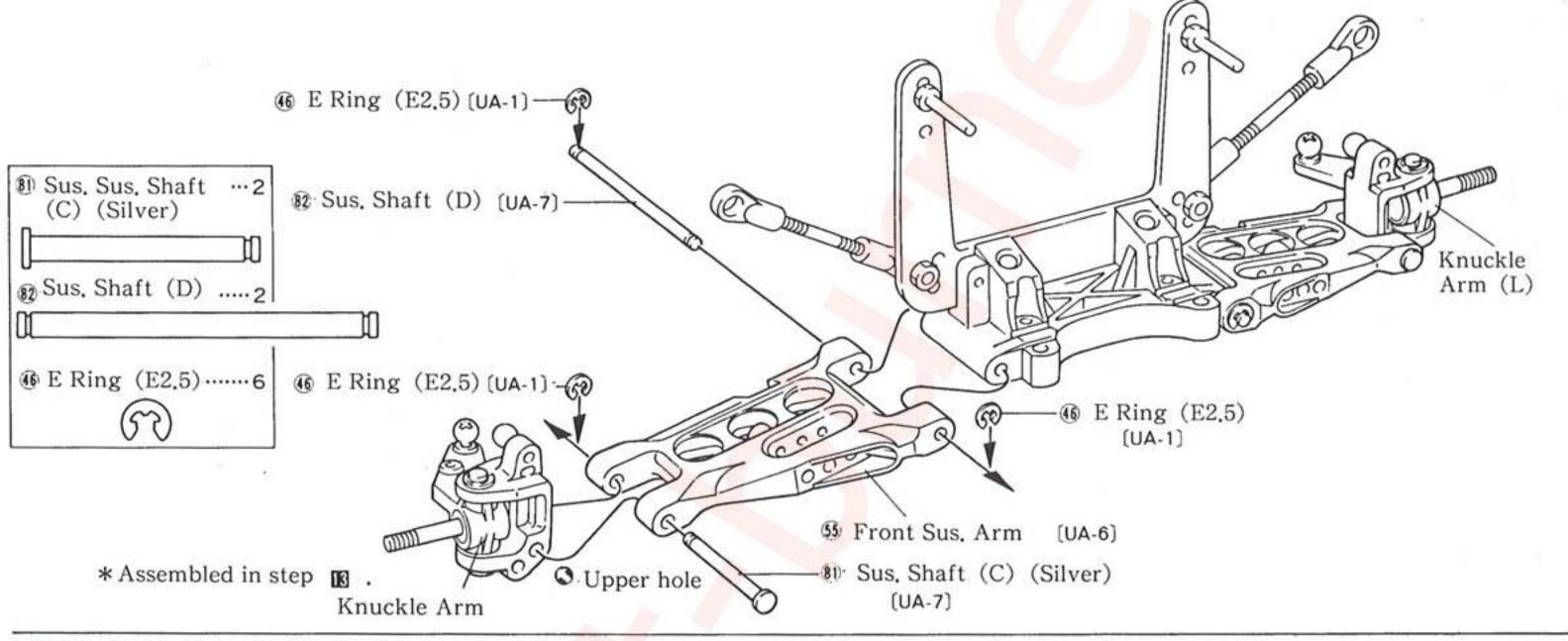




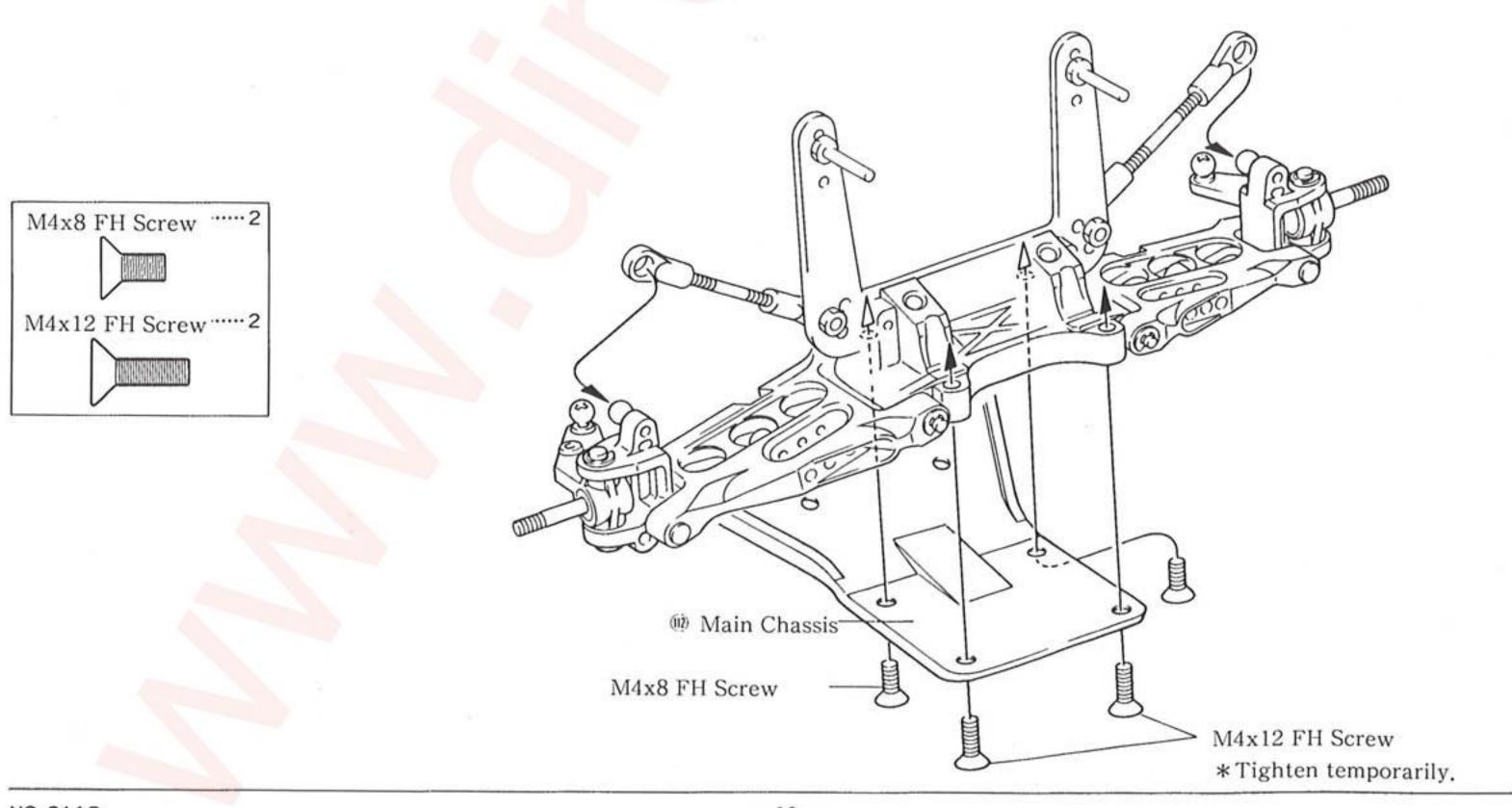


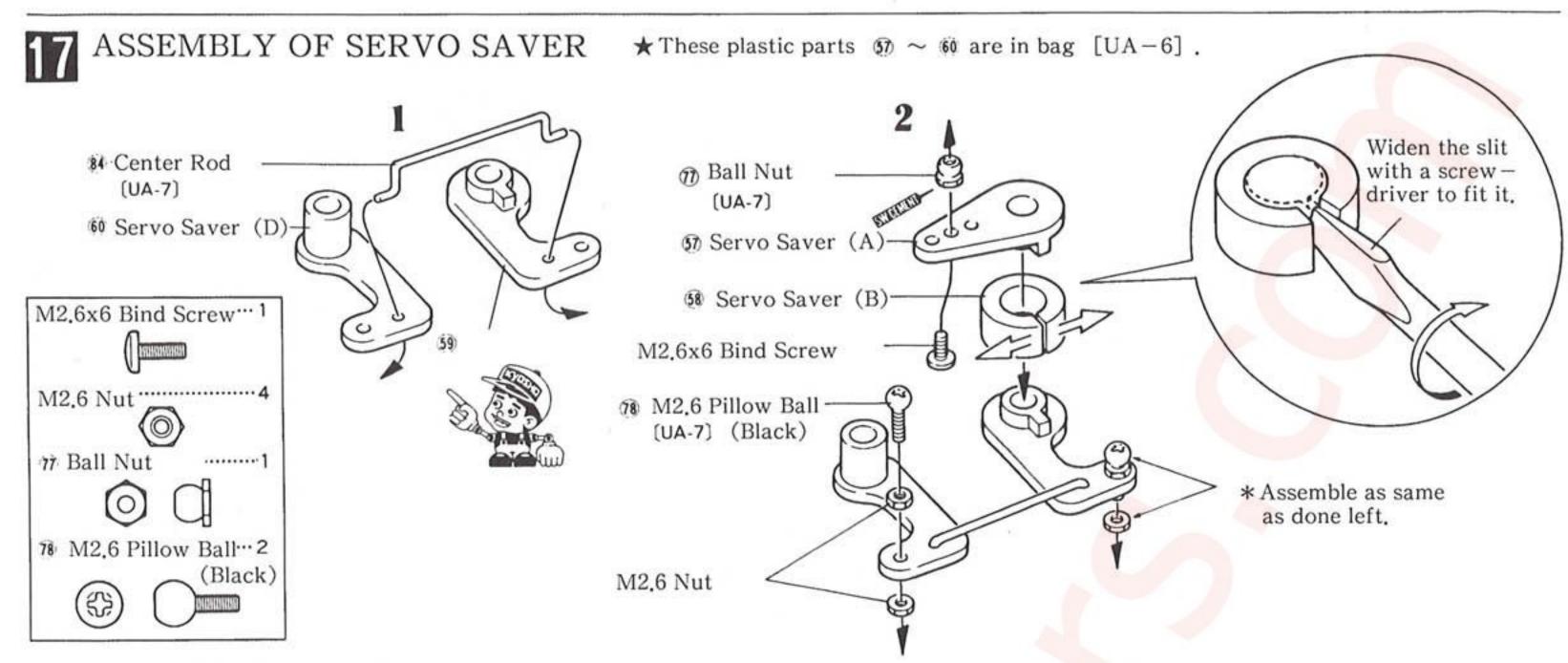


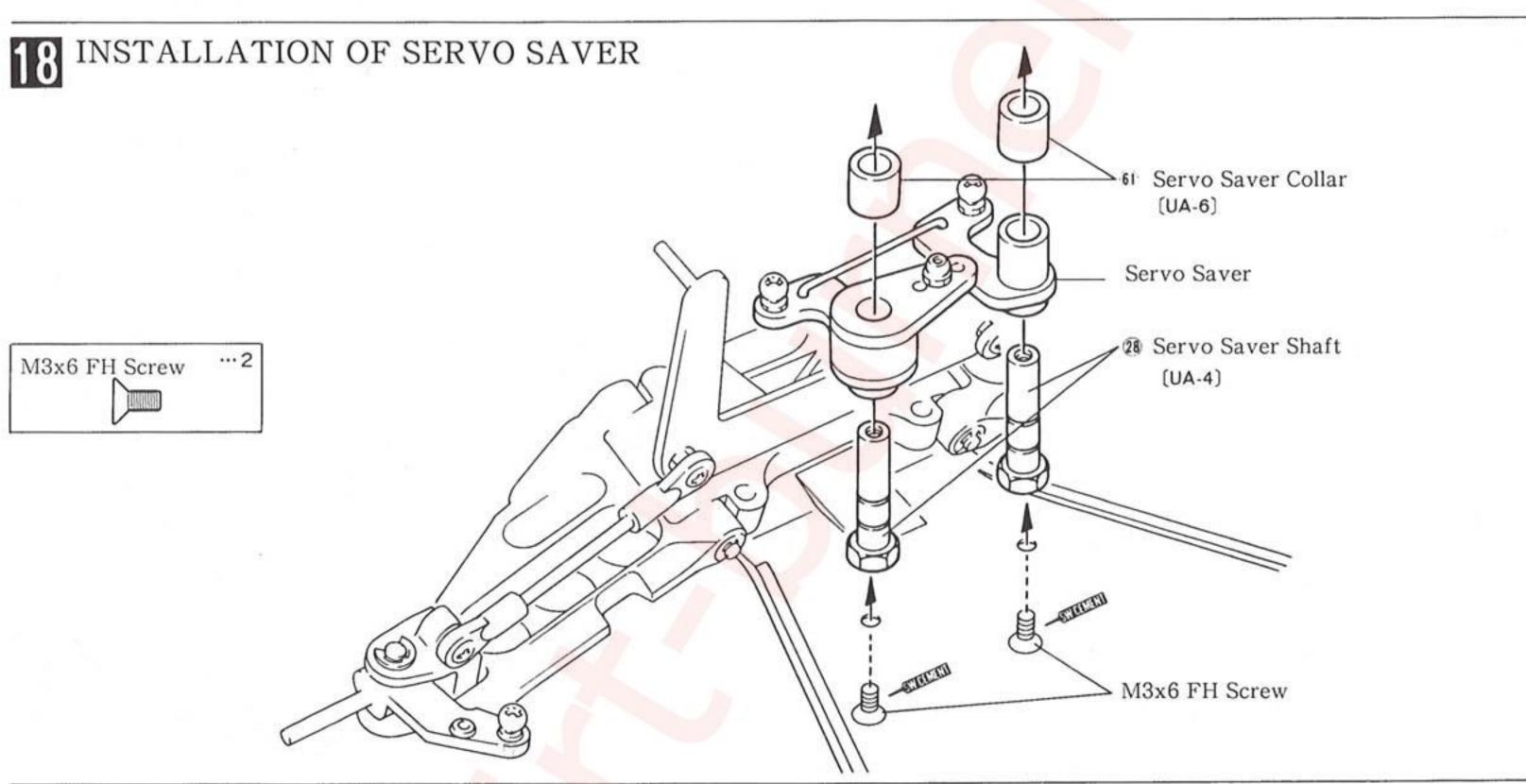
15 INSTALLATION OF FRONT SUS. ARM



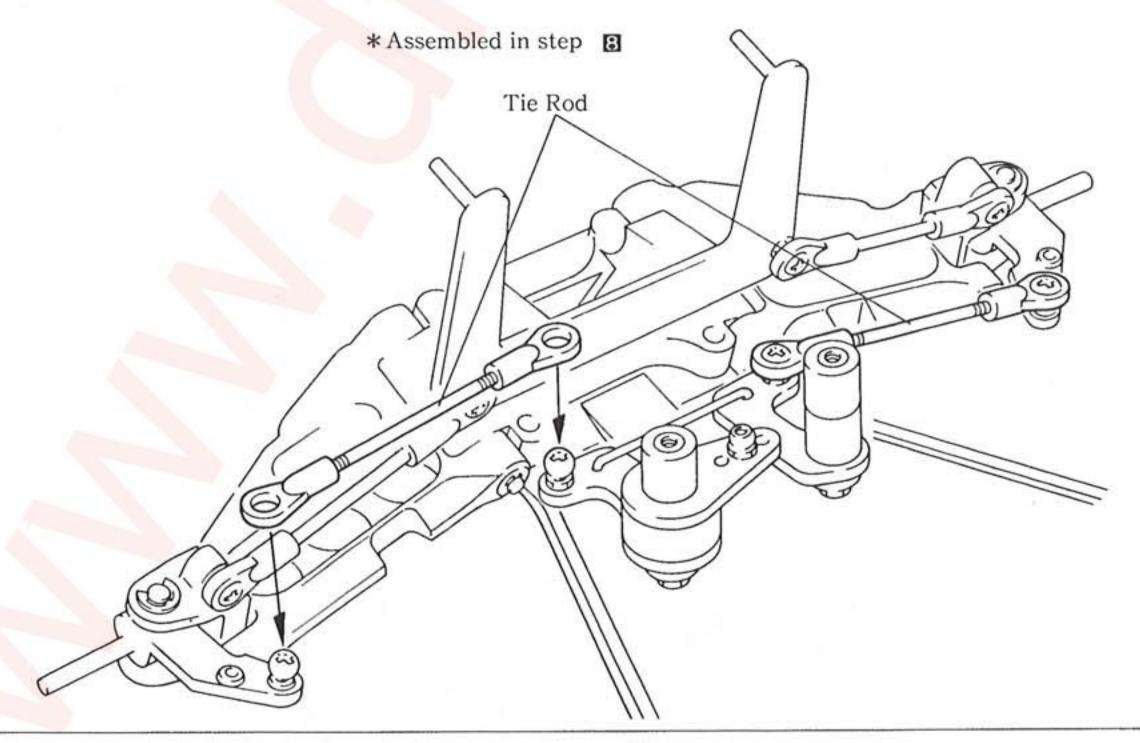
INSTALLATION OF FRONT BULK HEAD

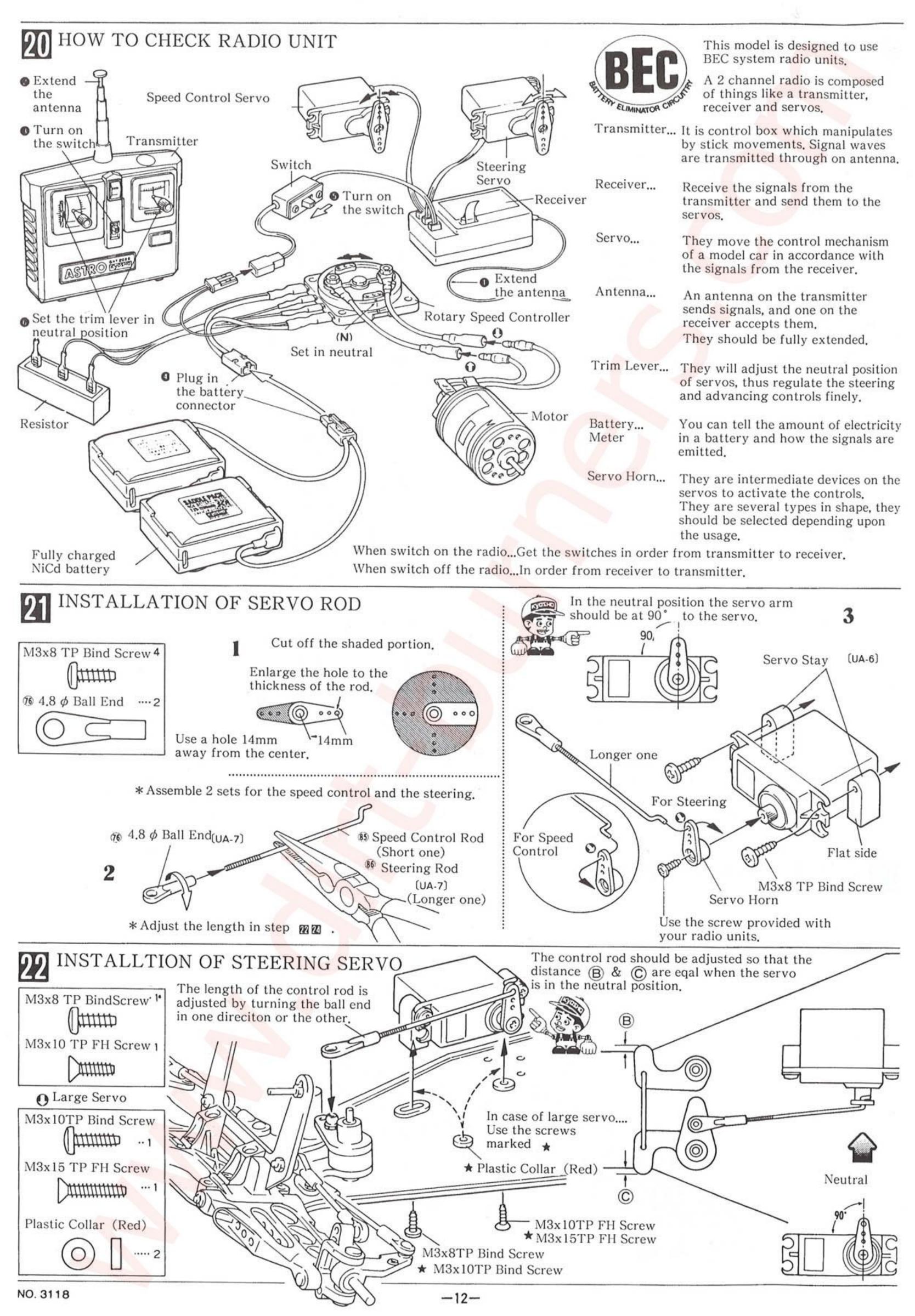


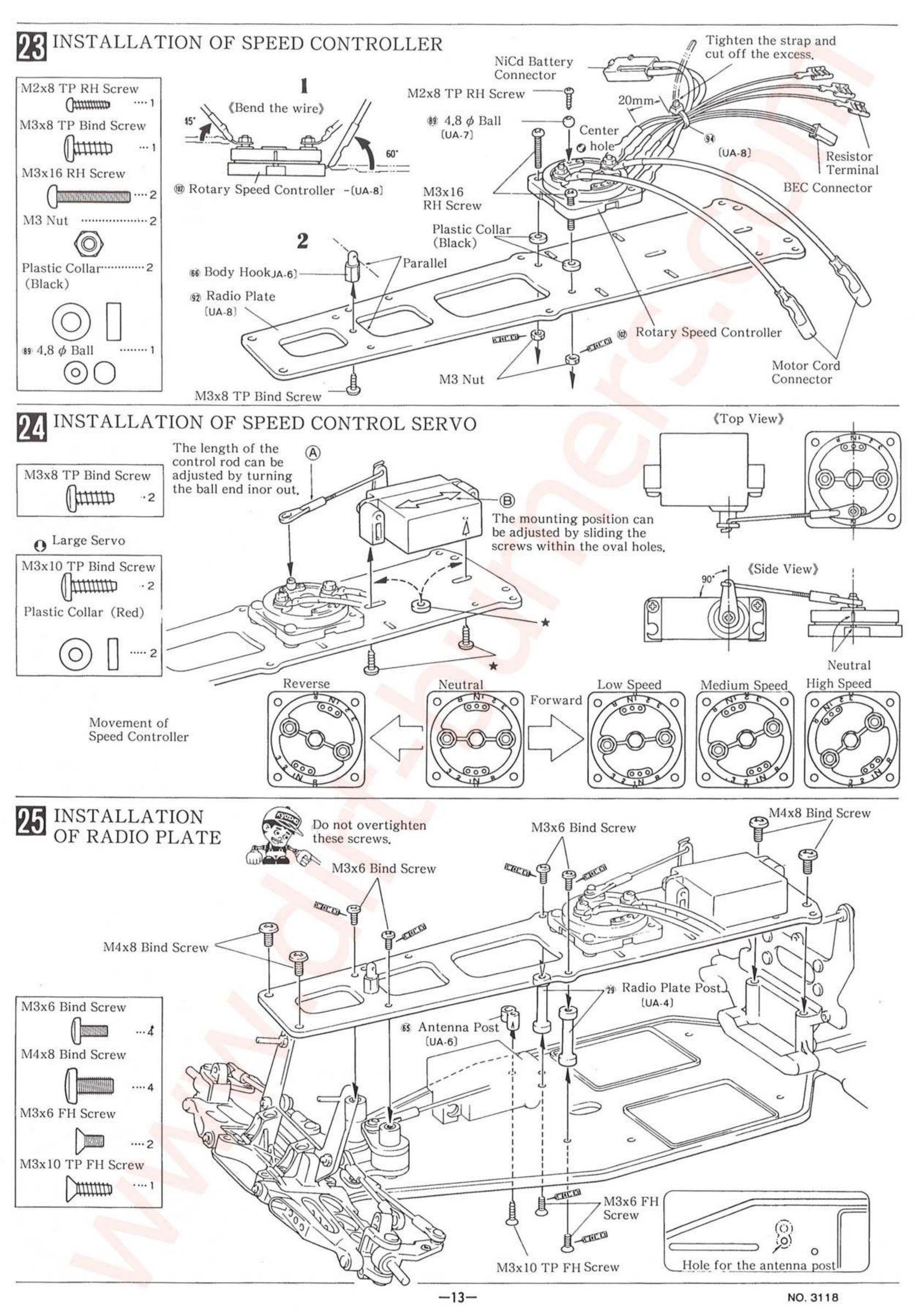


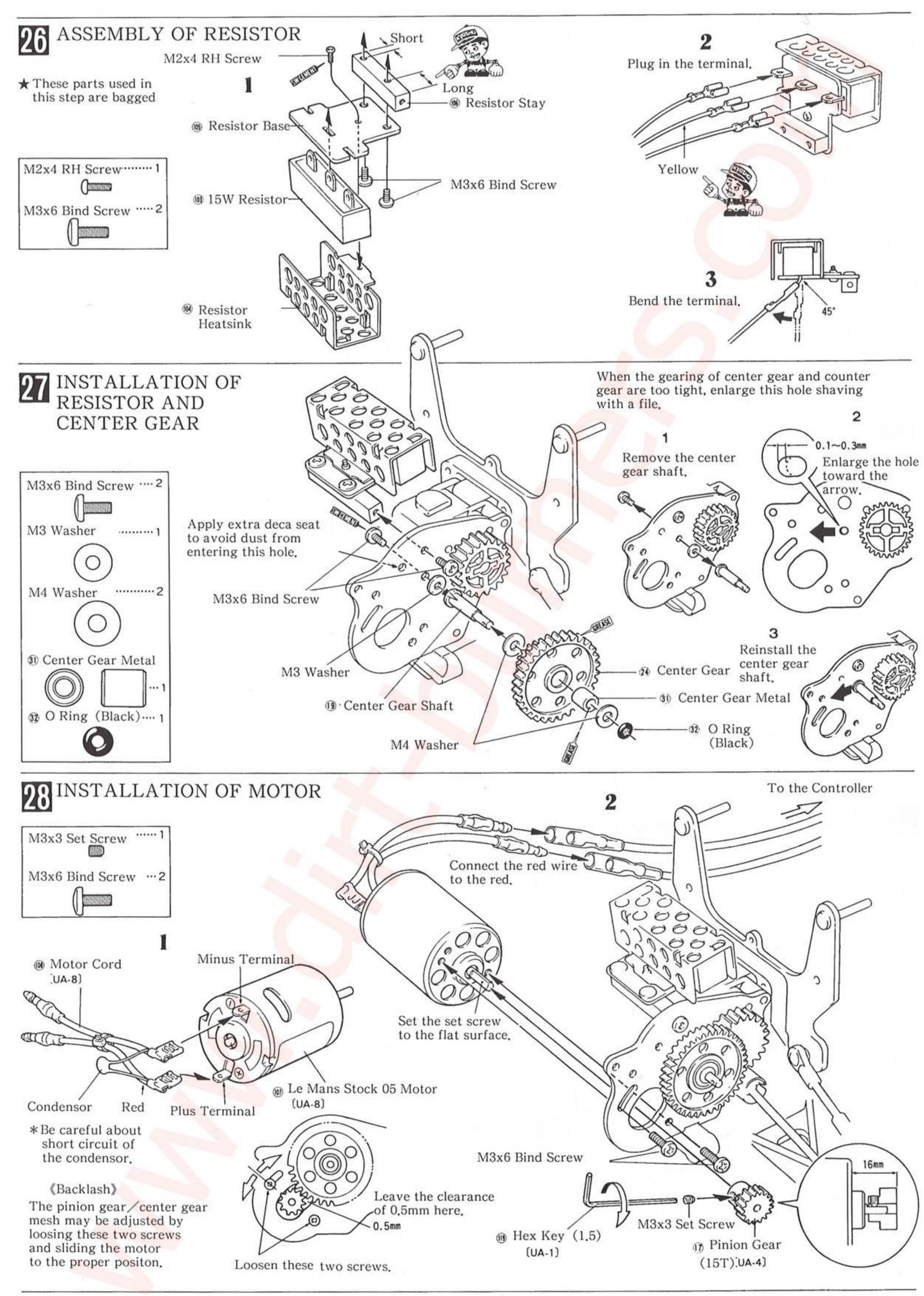


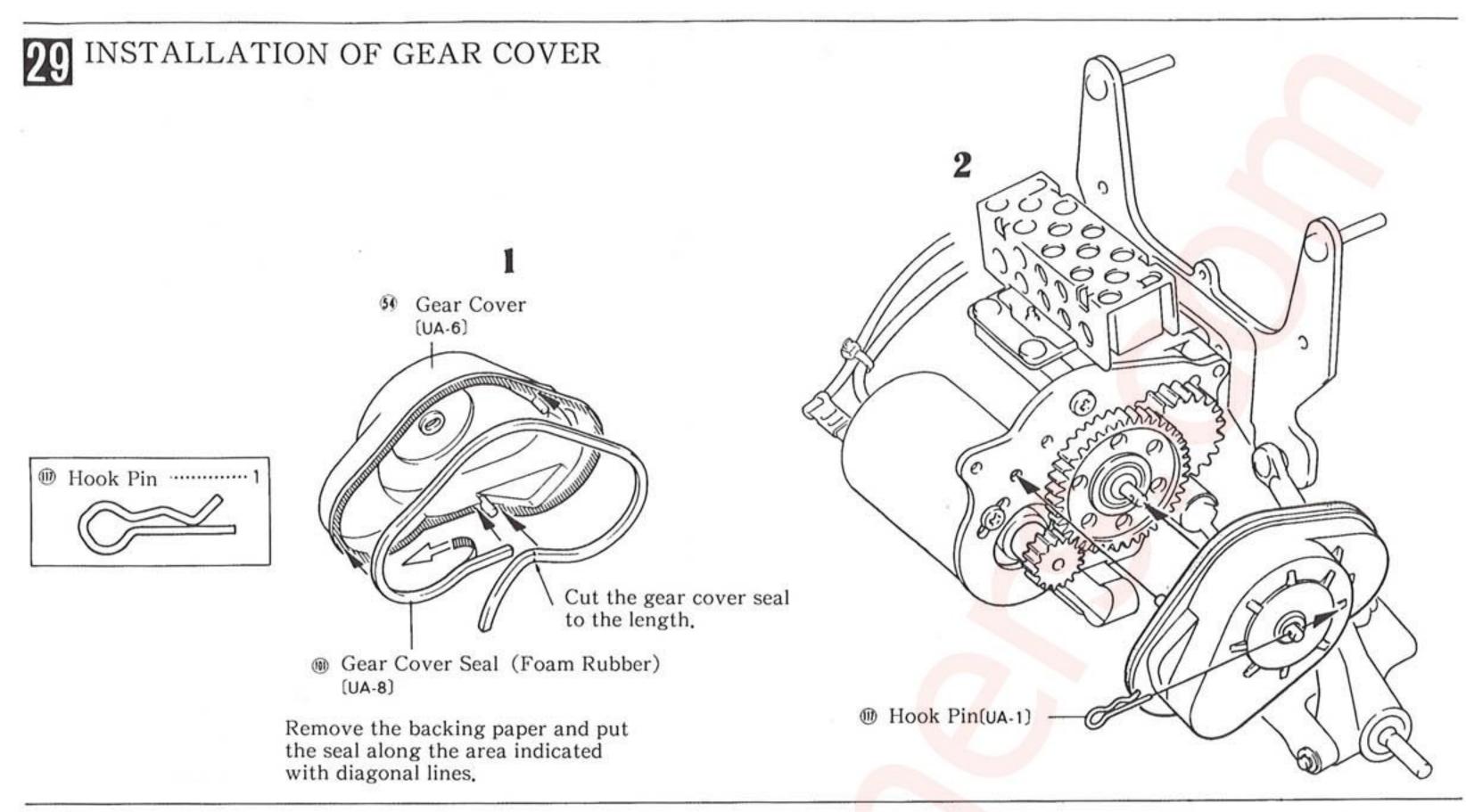
19 INSTALLATION OF TIE ROD



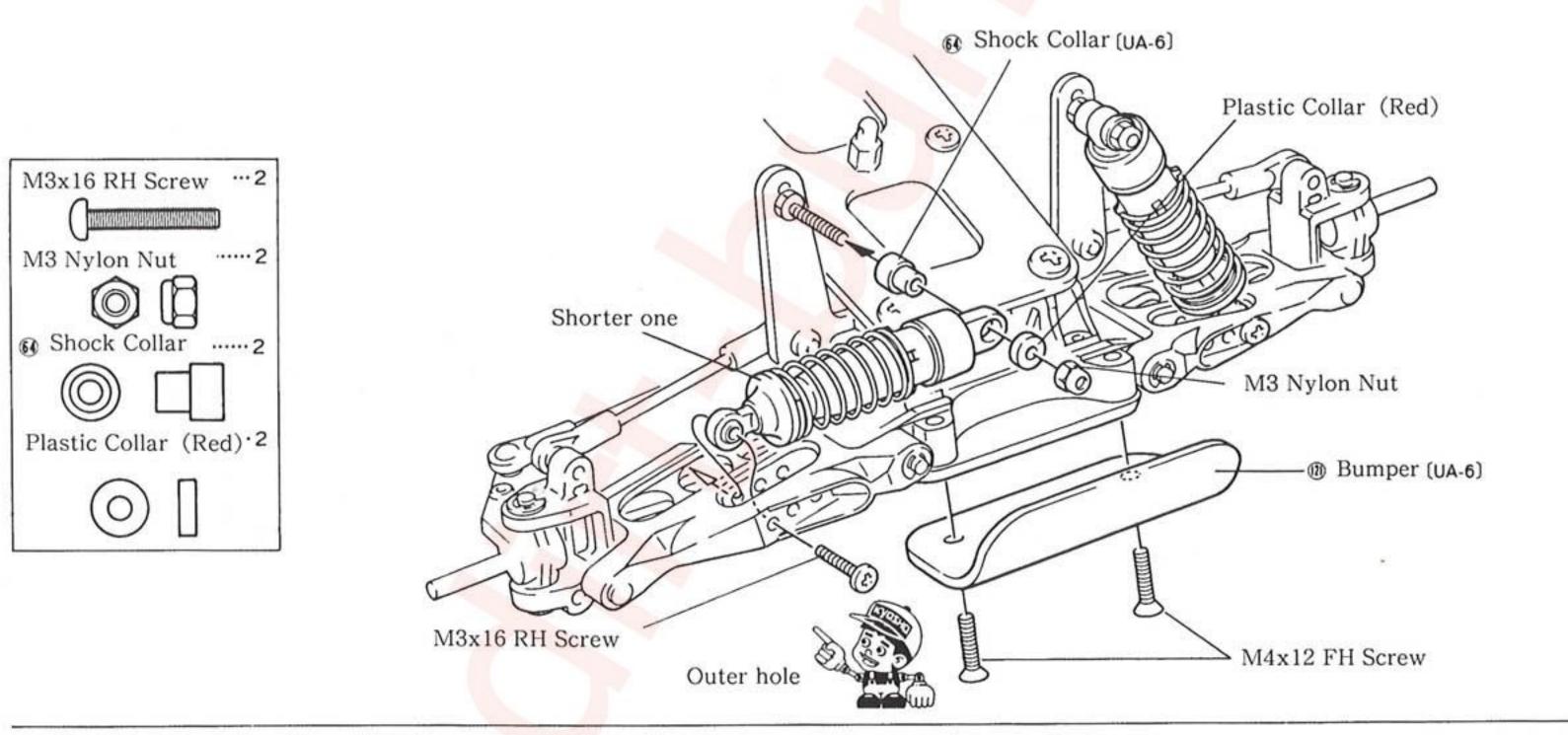


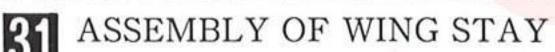




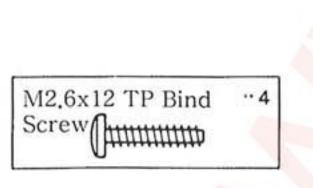


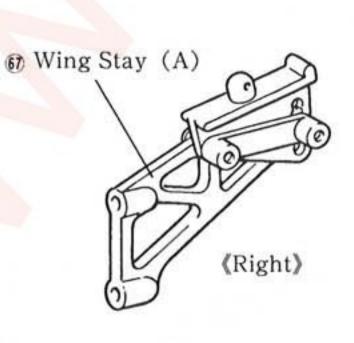
INSTALLATION OF FRONT SHOCK AND BUMPER

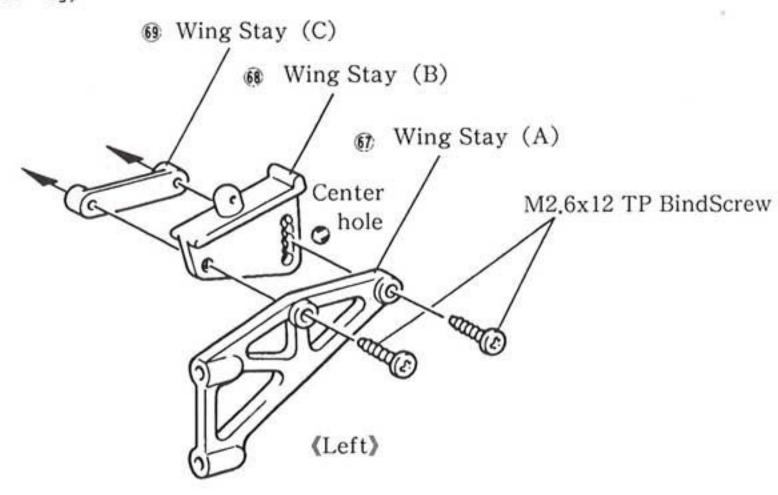


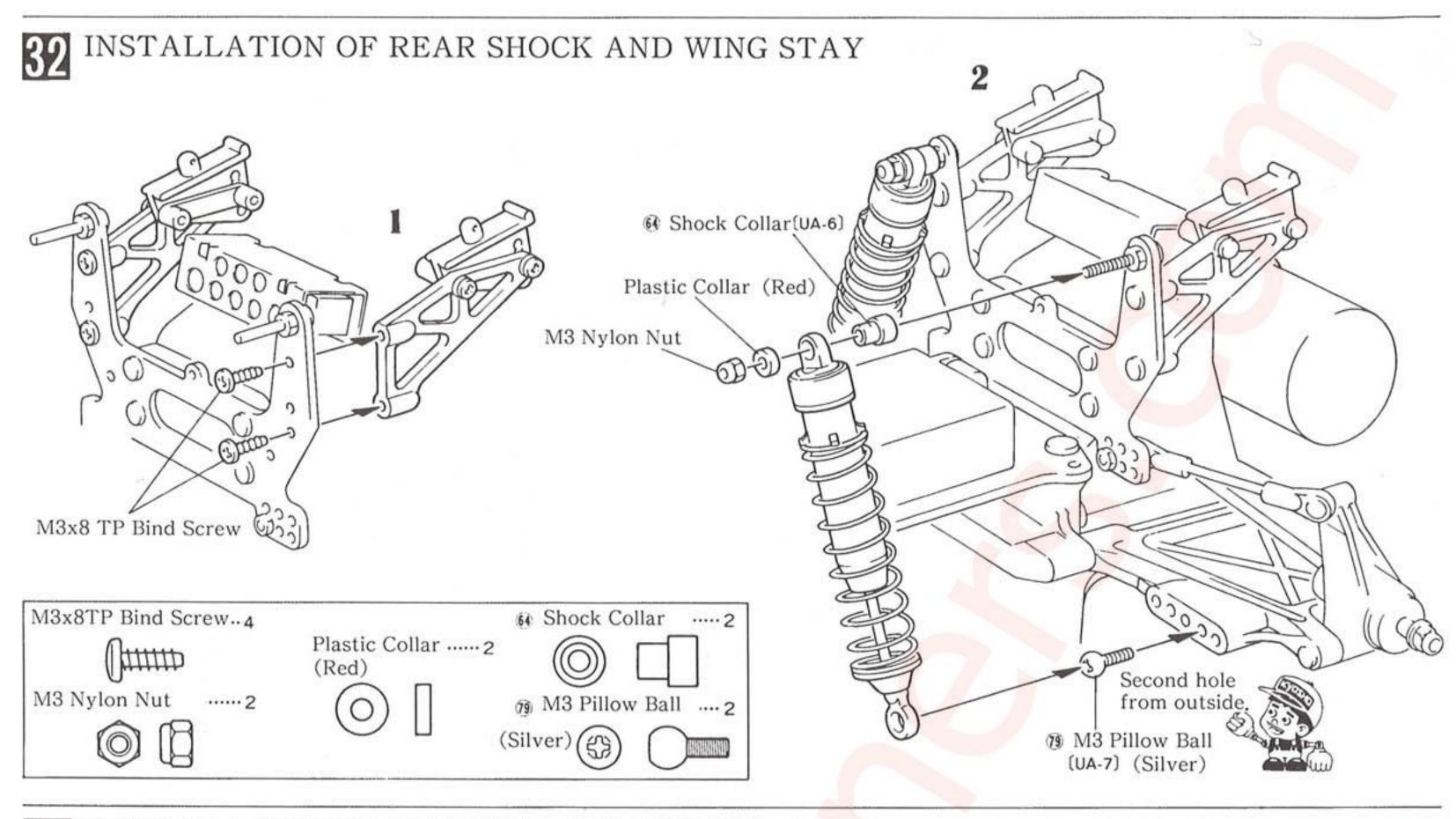


★ These parts used in this step are in bag [UA-6]. (Screws are in [UA-1])

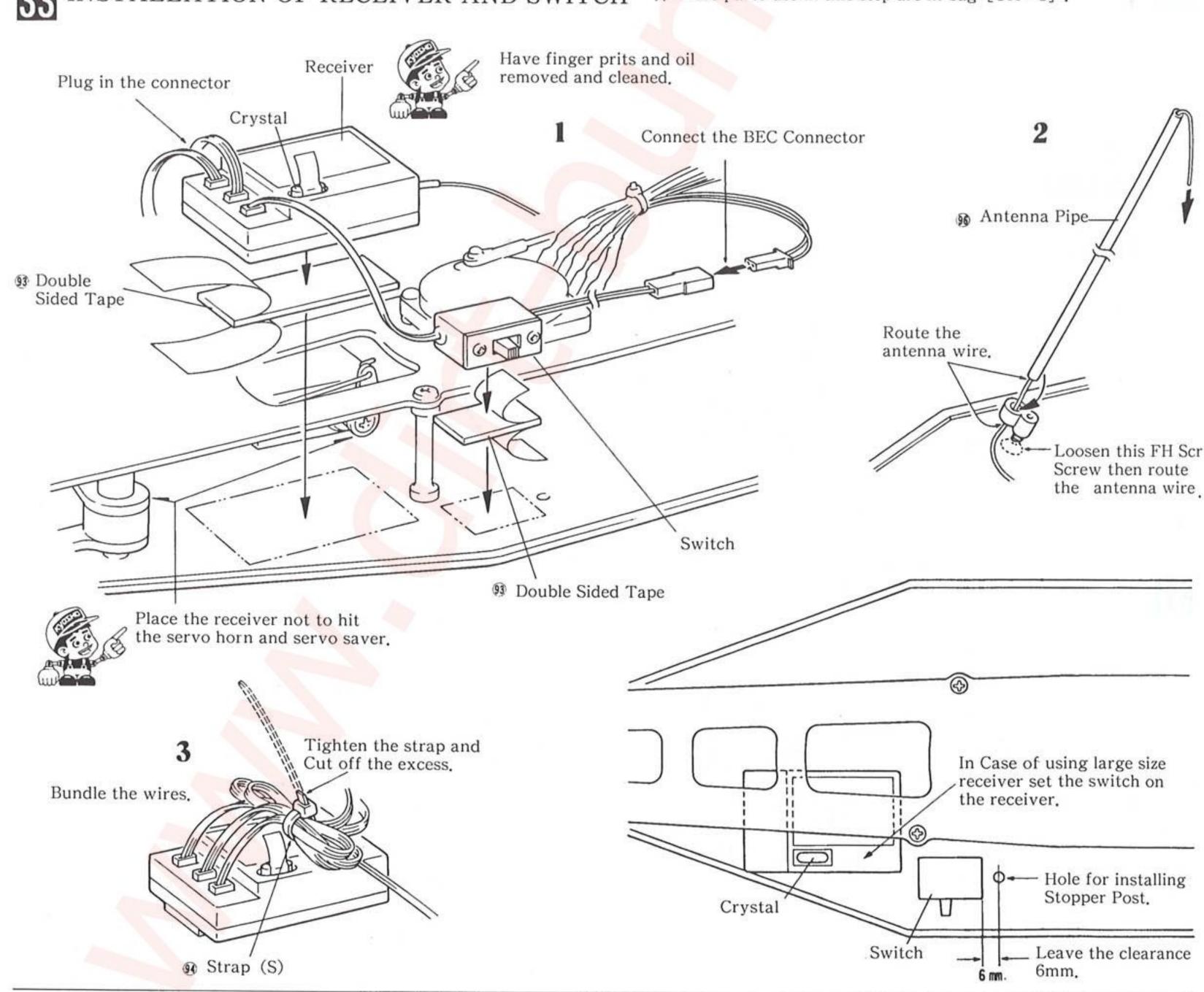


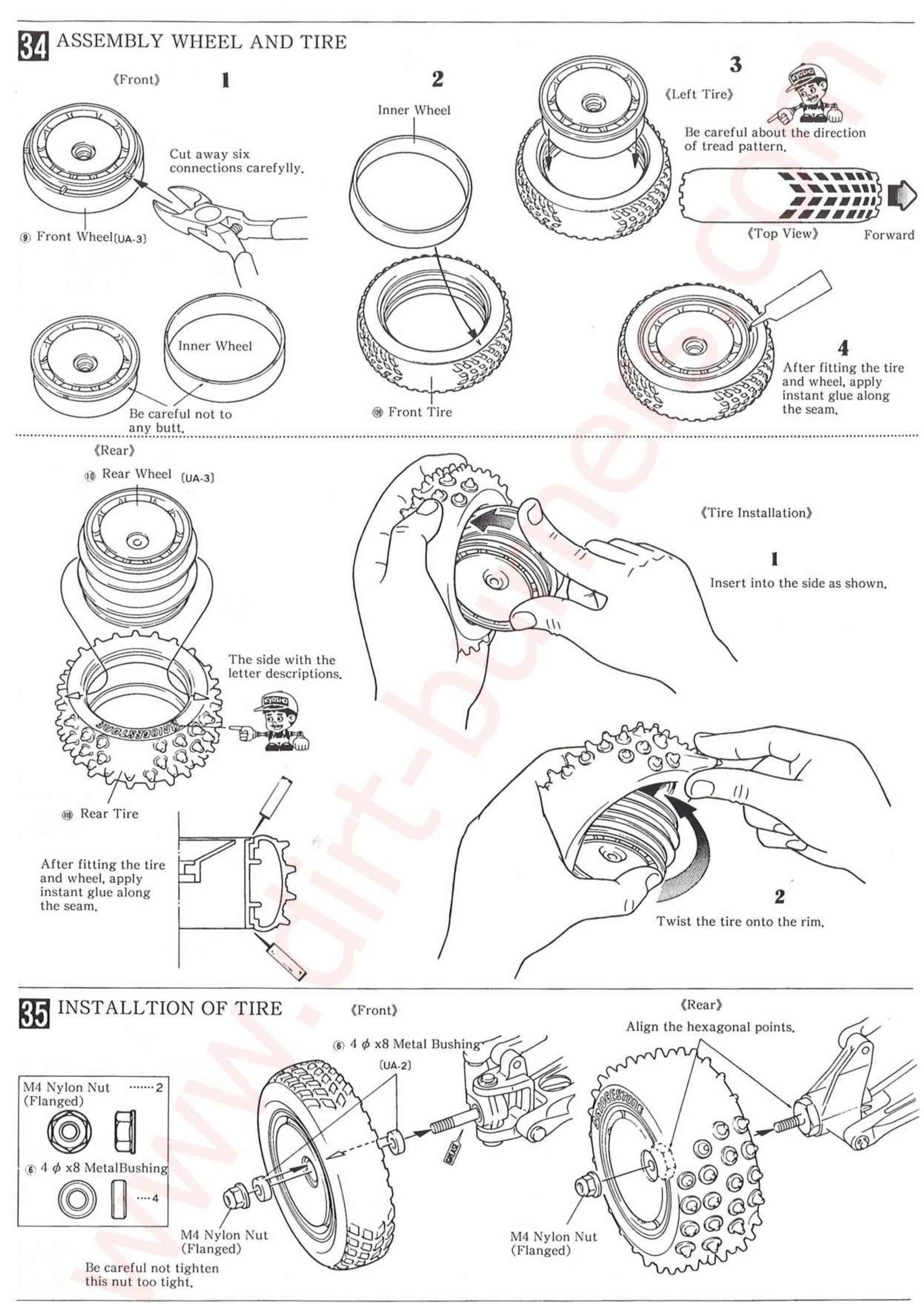


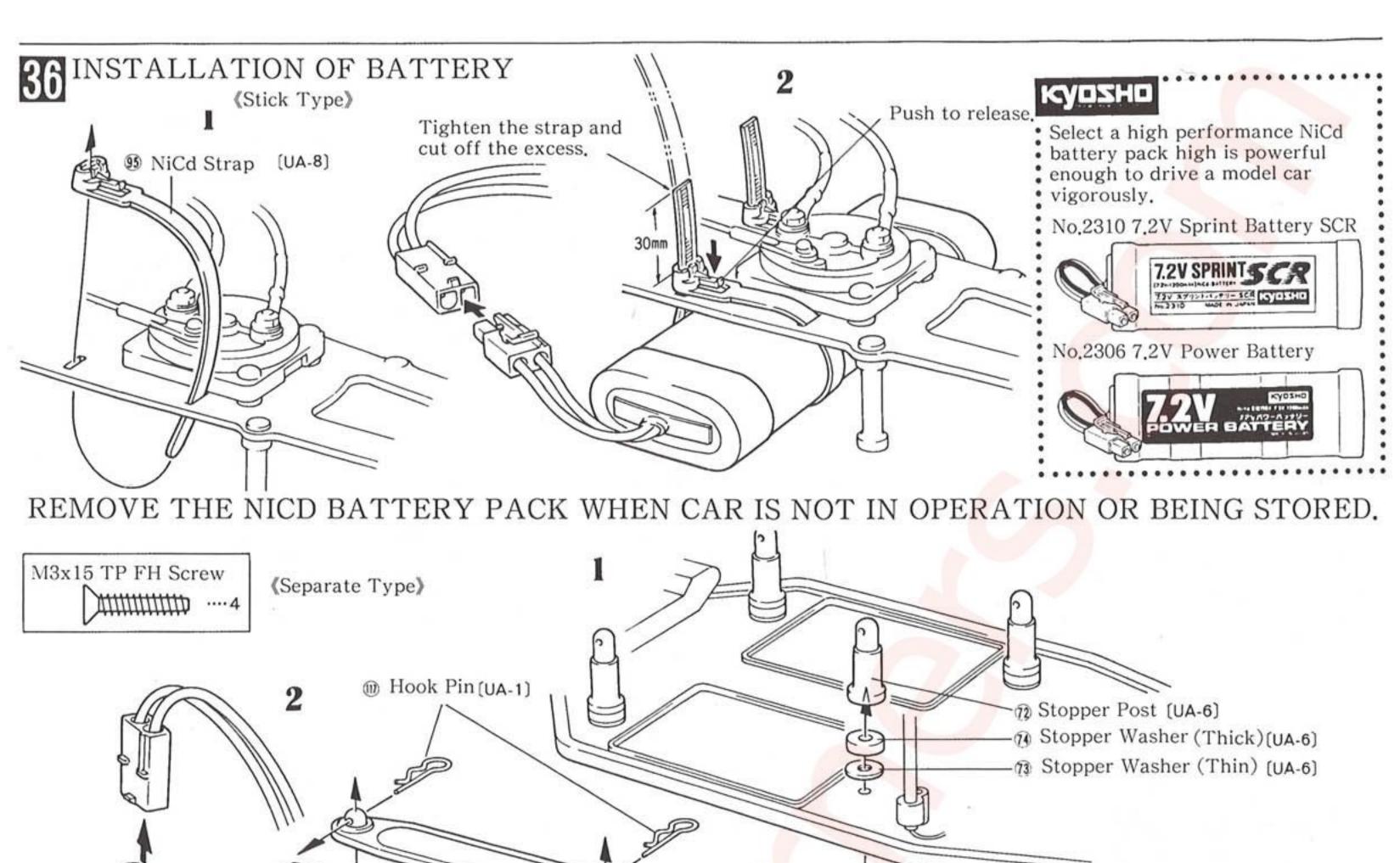


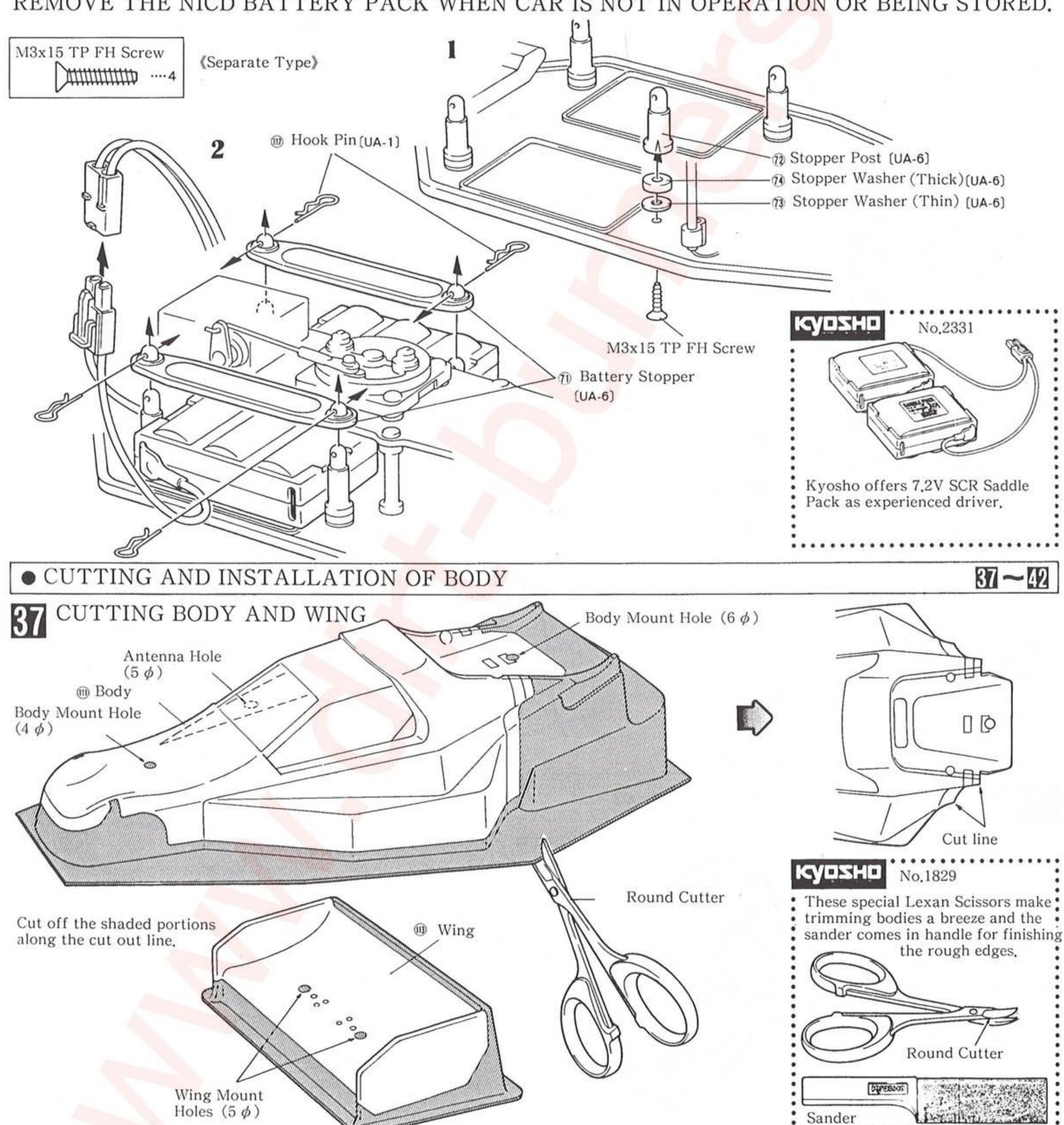


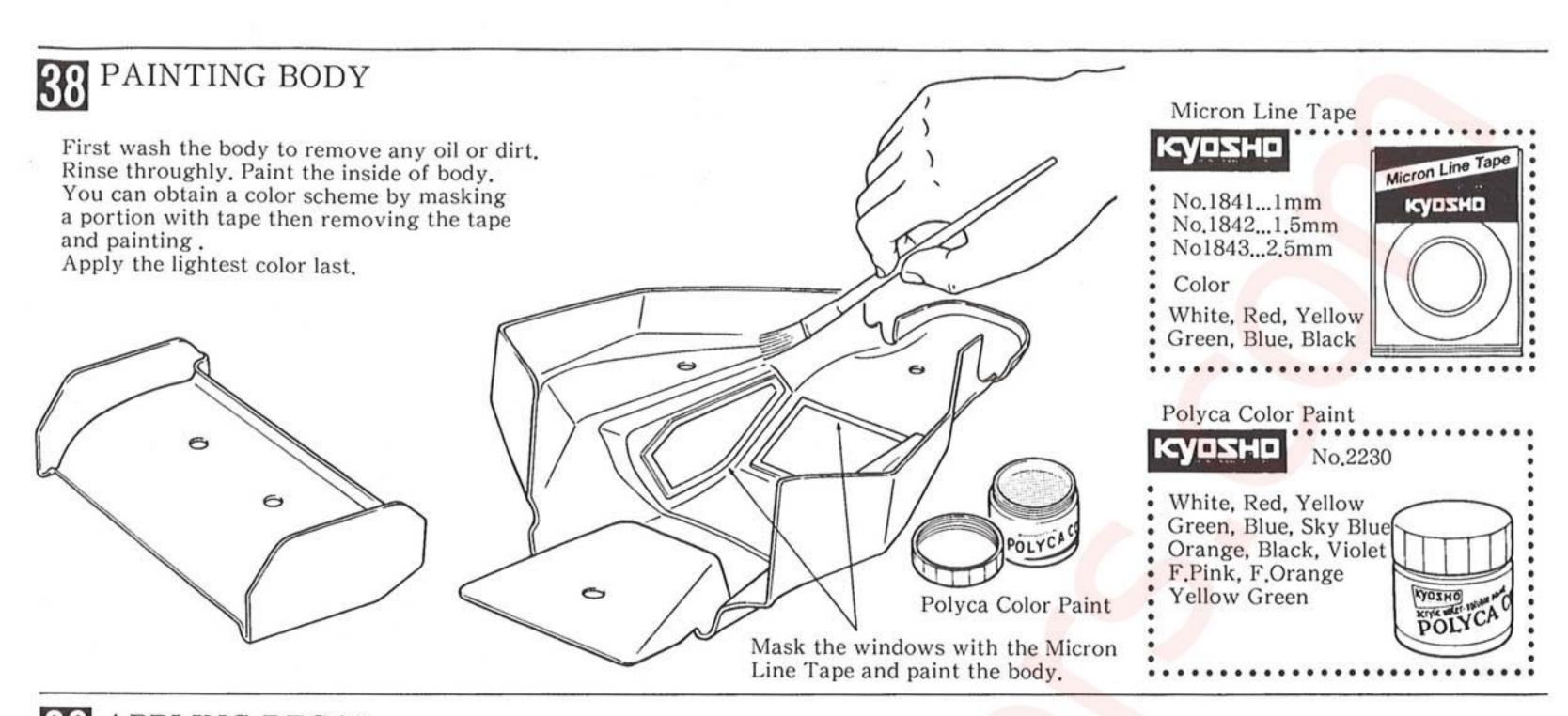
INSTALLATION OF RECEIVER AND SWITCH *These parts use in this step are in bag [UA-8].

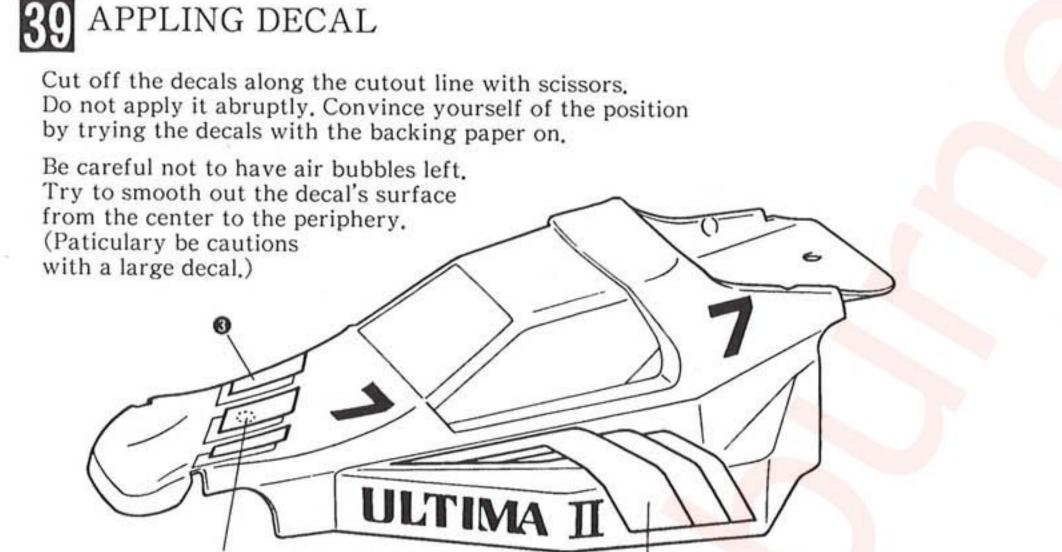


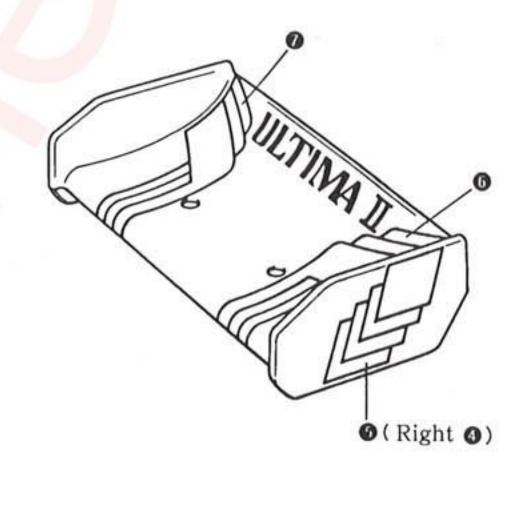


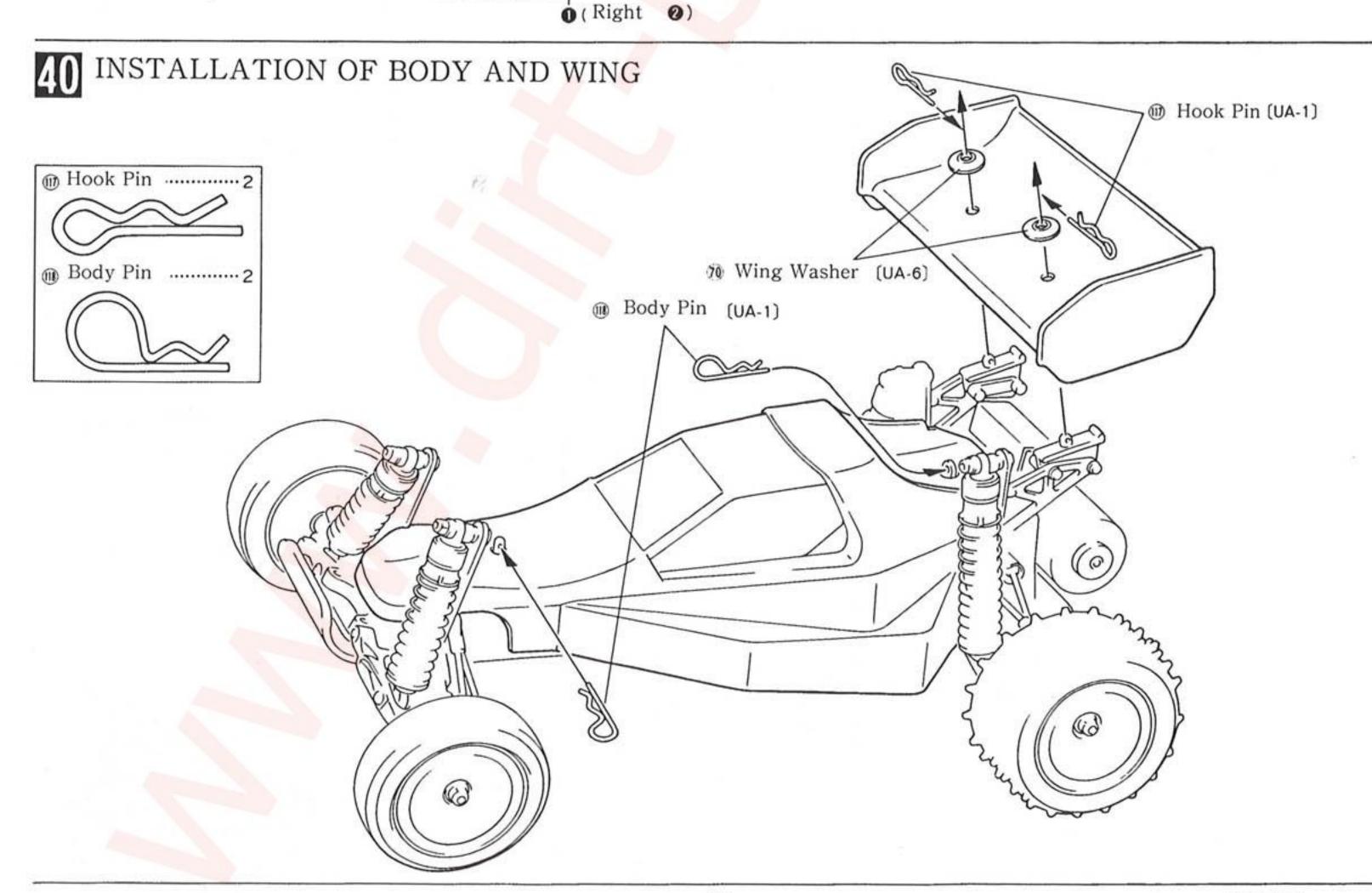








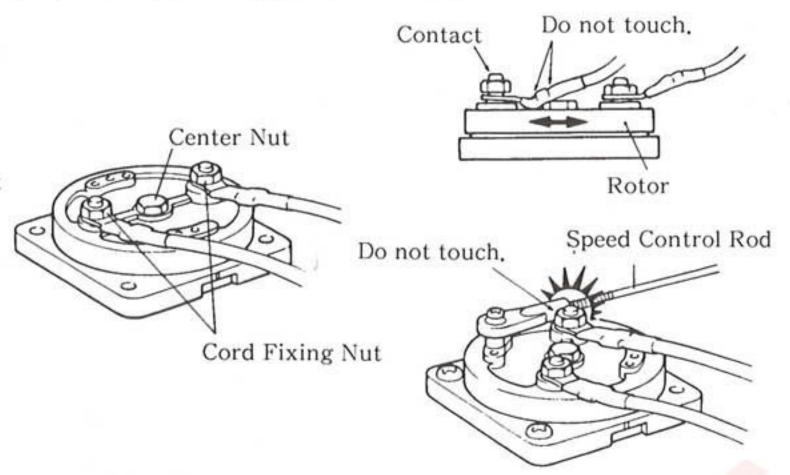




CHECK BEFORE RUNNING THE CAR

Check the follow steps $1 \sim 4$.

- (1) Check that the center nut and the cord fixing nuts are tightened properly.
- 2 When turning the rotor, the cord will hit the rotor or the center nut and, as a result, will force up a contact.
- 3 Or the cord rubs against the body and pushes up a contact.
- 4 The speed control rod will hit a cord fixing nut.



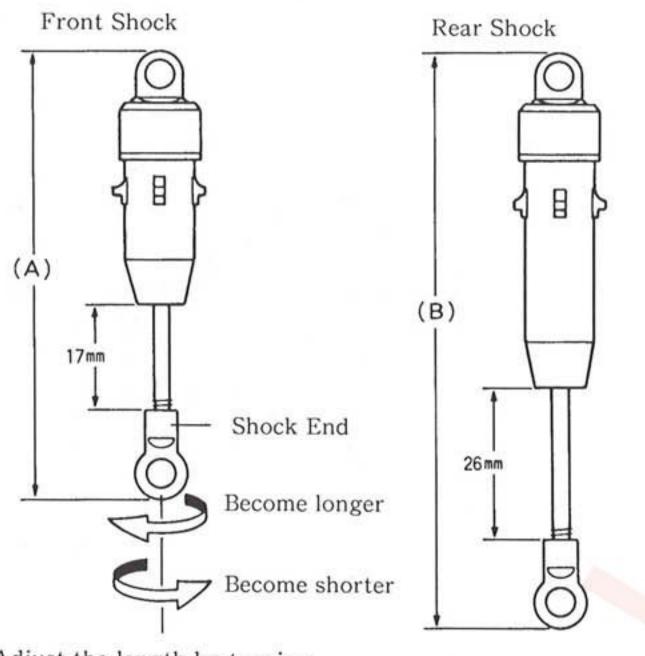
(Maintenance)

Remove the center nut once in a while and clean the inside of the controller.

- *When you notice the uneven running of the motor, check all four checking points (1) to 4 listed left.
- *If you find all in good condition... In this case, the surface of the controller plate must be worn away considerably.

ADJUSTMENT GUIDE

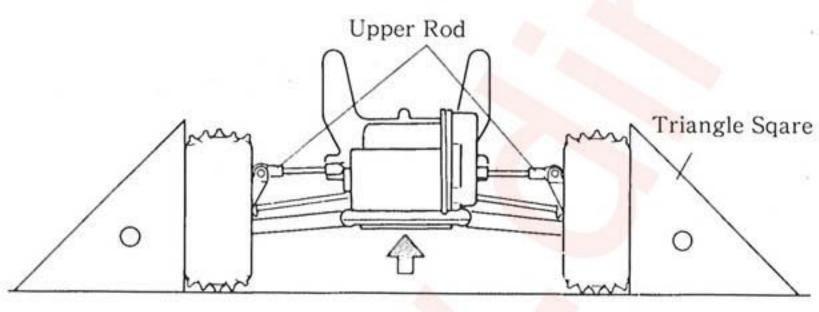
《Basic Setting 1》



Adjust the length by turning the shock end.

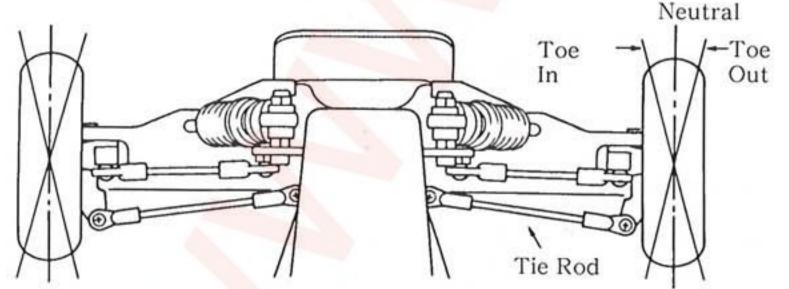
(Basic Setting 2)

Place the car on a flat surface with the chassis raised as high as possible and adjust the length of the front and rear upper rods in a way so that the tires stand at a right angle to the ground.



(Toe Adjustments)

Adjust the tie rods for a slight inward angle.

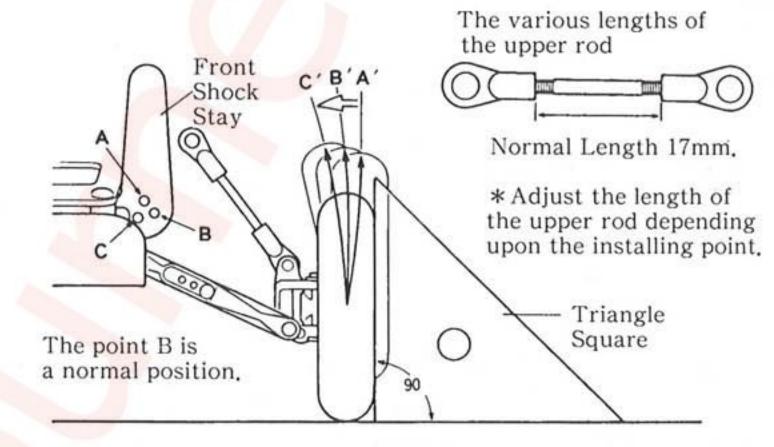


Adjust the tie rod longer. Become toe-in. Slower Response Over Steer

Adjust the tie rod shorter. Become toe-out. Quicker Response Under Steer

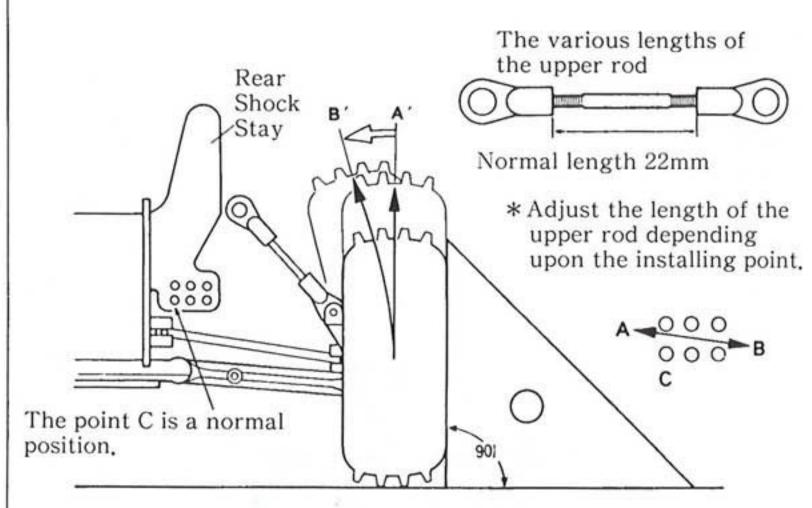
Correlation between installing of Front Upper Rod and Camber Abgle.

The installing points A,B and C on the front shock stay for the upper rod correspond to A', B'and C' which are the maximun camber angle when the front suspension arms swing down to the lowest position.



Correlation between installing position of the Rear Upper Rod and Camber Angle.

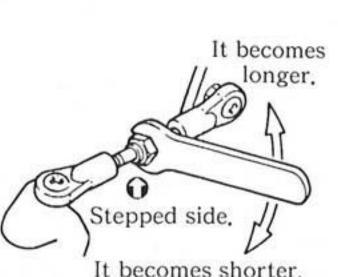
The installing points A and B on the upper rod plate will result in the positions of the rear camber angle A' and B' when the rear suspension arms sink the most.



《Optional Parts》

Special Rod Set W5005

*Easy adjusting without remove the rod.



It becomes shorter.

ADJUSTMENT GUIDE

《Gear Ratio》

Pinion Gear	13 T	14 T	15 T	16 T	17 T	18 T	19 T	20 T
GearRatio	9.5	8.8	8.2	7.7	7.3	6.9	6.5	6.2
Effects	Slower Better	VV			Speed <u> </u>	n		igher educe
	Longe	r <		Run	Times_		>Sh	orter

The above chart is a guide in choosing the best pinion gear for your motor.

《Optional parts》

W - 0109	Ball Differential Gear	
W-0110	Special Spur Gear	
W-0111	Special Counter Gear	
W-5085		
5	Hard Pinion Gear (15T~23T)	*Use with W-0110
W-5093	A TONOR PORTUGATOR AND A MARKET OF REPORTED STREET OF A STREET OF THE ST	

*Gear RatioSpecial Spur Gear with Hard Pinion Gear

Pinion Gear	15 T	16 T	17 T	18 T	19 T	20 T	21 T	22 T	23 T
GearRatio	11.1	10.4	9.8	9.2	8.7	8.3	7.9	7.5	7.2
Effect	Slowe Better Longe	<	11,11,1	— Acc	o Speed elerati n Time	on <u></u>		>R€	igher duce norter

(Hardness of Shock Action)

No. Hardness	$\left \right $	arder	- Illinoi	S	Softer_	>
No.1951 Shock Oil (S.M.H)	Yellow	Oil	Green	Oil	Red Oi	1
No.1953 Silicone Oil (S)					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		4		

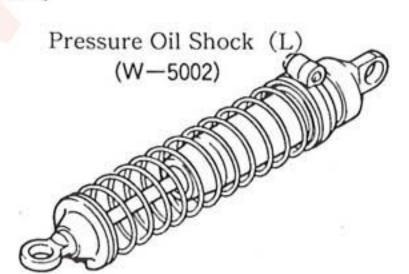
(Adjustment of Shock Oil and Spring)

Front	(Lightweight shock oil Weak spring tension) Sharp steering response
Front	Heavy shock oil Strong spring tension) Slow steering responsse
Rear	Lightweight shock oil Weak spring tension) More wheel traction
Rear	Heavy shock oil Strong spring tension	Less wheel traction

(Optional Parts)

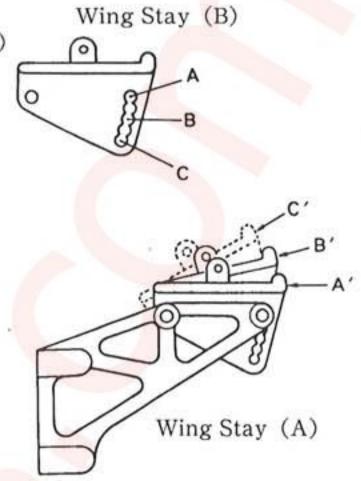
*Easy adjusting of spring tension.





《Adjustment of Wing Stay》

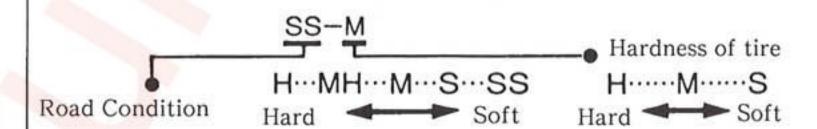
When assembling the wing stay (B) to the wing stay (A), fastening the part to the position A will place the wing stay (B) to A', B to B' and C to C' that is the installation angle becomes bigger in order, $A \rightarrow B \rightarrow C$.



(Setting of Tires)

Any of the tires listed below can be used with the "Ultima II". Choose the one most suitable for the road condition.

For example (Narrow Tire)

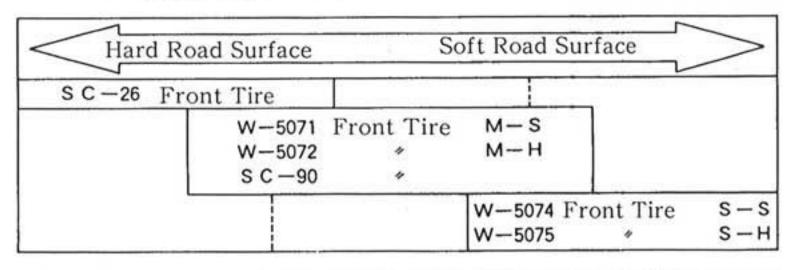


* * * * Rear Tire * * * *

Н	M	Н	М	S	SS
W5034 Nar W5031 Lov					
	W5076 Na W5078 Lov ②	rrow Tire wProfile			
		W5033 N OT-66 L ③	arrow owProfile		
			/	LowProfile	
		167			Narrow Tire LowProfile

- ①...For hard road surface
- ②...Both of them are MH-M
- 3...Both are pin tipe
- 4...For soft road surface
- 5...Both of them are SS-M

****Front Tire***

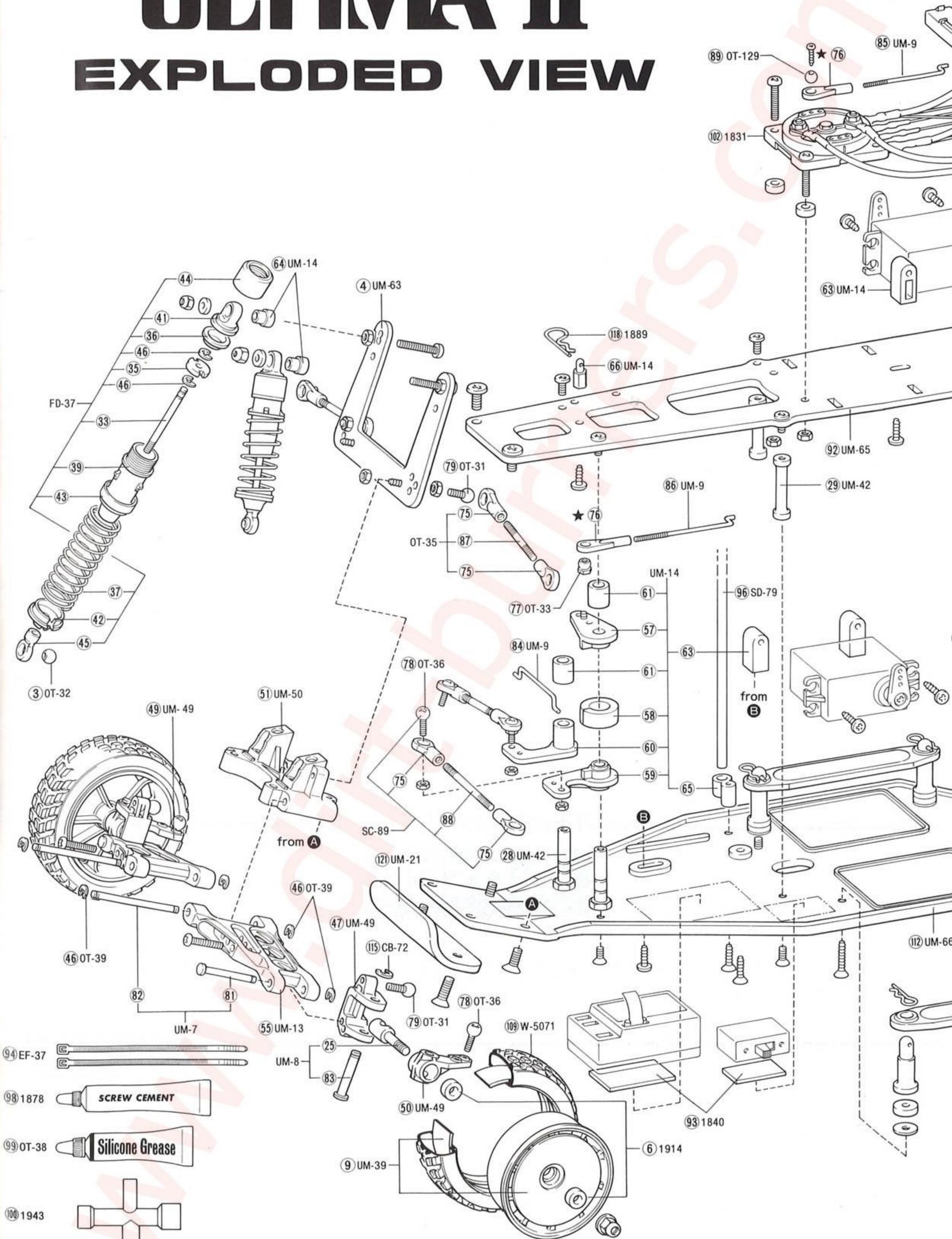


PARTS LIST

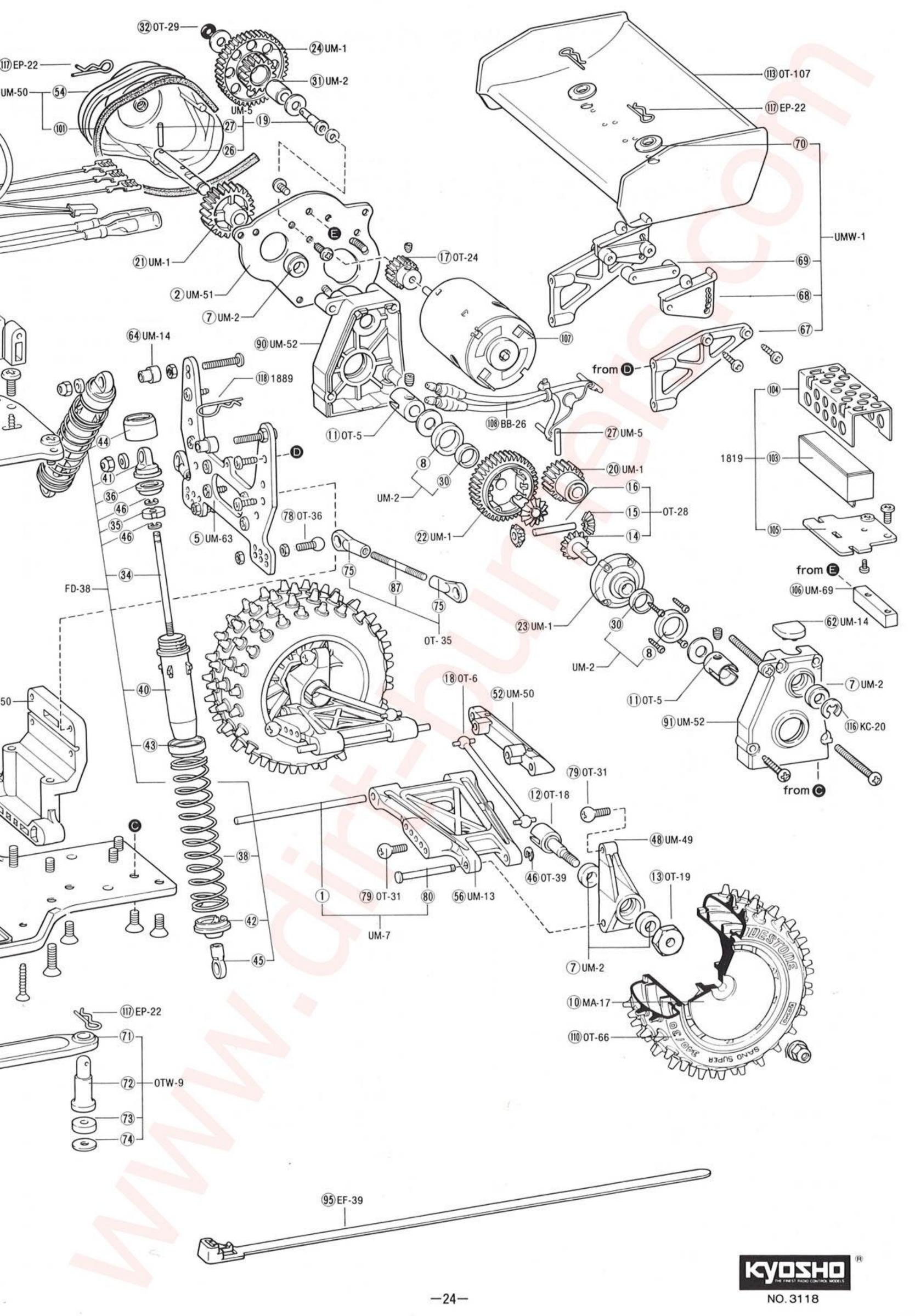
① Sus, Shaft (B)	M 2 × 4 ······ M 3 × 16 ······ M 3 × 33 ······
② Motor Plate	M2×4······ M3×16······ M3×33······ M2.6×6······ M3×18······ M3×35······ M4×8······
(a) 5,8 ø Ball (Silver)	M2×4······ M3×16······ M3×33······ M2.6×6······ M3×18······ M3×35······ M4×8······
(4) Front Shock Stay	M2×4······ M3×16······ M3×33······ M2.6×6······ M3×18······ M3×35····· M4×8·····
(a) 4	M 3 × 16······ M 3 × 33······ M 2.6×6······ M 3 × 6······ M 3 × 18······ M 3 × 35······ M 4 × 8······
(i) 4 φ x8Metal Bushing	M 3 × 16······ M 3 × 33······ M 2.6×6······ M 3 × 6······ M 3 × 18······ M 3 × 35······ M 4 × 8······
(a) 10 ≠ x14 *	M 3 × 16······ M 3 × 33······ M 2.6×6······ M 3 × 6······ M 3 × 18······ M 3 × 35······ M 4 × 8······
(a) Front Wheel	M 3 × 16······ M 3 × 33······ M 2.6×6······ M 3 × 6······ M 3 × 18······ M 3 × 35······ M 4 × 8······
10 Rear Wheel	M 3 × 16······ M 3 × 33······ M 2.6×6······ M 3 × 6······ M 3 × 18······ M 3 × 35······ M 4 × 8······
(i) Joint	M 3 × 16······ M 3 × 33······ M 2.6×6······ M 3 × 6······ M 3 × 18······ M 3 × 35······ M 4 × 8······
19 Rear Wheel Shaft 2	M 3 × 33······ M 2.6×6······ M 3 × 6······ M 3 × 18······ M 3 × 35······ M 4 × 8······
	M2.6×6······ M3×6······ M3×18······ M3×35······ M4×8·····
(1) Bevel Gear (A)	M3×6····· M3×18····· M3×35····· M4×8·····
19	M 3 × 18······ M 3 × 35······ M 4 × 8 ······
16 Bevel Shaft	M 3 × 35······ M 4 × 8 ······
(1) Pinion Gear (15T)	M4×8
18 Swing Shaft	
19 Center Gear Shaft	M3 X 6
② Final Pinion Gear	INI 3 V G
② Counter Gear	M4×8
22 Main Gear	M 4 × 12 ······
② Diff, Case	ew M2×8
(2) Center Gear	M 2 × 10 ·····
②5 Front Wheel Shaft	M3×18·····
26 Counter Gear Shaft	crew M2.6×12
② 2 φ x11 Pin 3 66 Body Hook 1 1 ® Resistor Base 1 TP FH Sc ②8 Servo Saver Shaft 2 67 Wing Stay (A) 2 66 Resistor Stay 1 1 ②9 Radio Plate Post 2 68 μ (B) 2 10 Le Mans Stock 05 Motor1 Set Screw ③0 Metal Collar 2 69 μ (C) 2 10 Motor Cord	M3×8
28 Servo Saver Shaft	M3×10·····
(29) Radio Plate Post	rew M3×10·····
30 Metal Collar 2 69 / (C) 2 (M) Motor Cord	M 3 ×15
	M3×3
Contact Con Mark Con Wine Worker	M 4 × 4 ·····
3) Center Gear Metal 1 70 Wing Washer 2 69 Front Tire 2 Nut	M2.6
32 O Ring (Black)1 1 1 Battery Stopper2 1 Rear Tire	М 3
3 Front Shock Shaft 2 1 Stopper Post 1 Nylon Nu	t M3
34 Rear " 2 73 Stopper Washer (Thin) 4 ® Main Chassis	M4
35 Shock Piston 4 19 / (Thick) 4 (19 Wing 1 Washer	мз
36 Pressure Top 4 35 5.8 φ Ball End12 (10 Decal	M 4 ·····
37 Front Shock Spring 2 76 4.8 φ2 (Black)	M 5 ······
38 Rear (Gold) 2 7 Ball Nut 1 (II) E Ring (E4)	
39 Front Shock Case2 78 M2.6 Pillow Ball (Black)6 18 Hook Pin7	

OFF-ROAD RACER

ULTIMA II



-23-



PURCHASABLE PARTS FOR YOUR KIT

You can purchase replacement and optional parts for your kit.
All of the parts identified by key numbers 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 that part within the manual. Then consult our parts pack guide below. When referring to the parts you need, always use the Parts Pack Number. For instance, if you need a Chassis (Key #112) ask your dealer for Kyosho Part Pack UM-66.

No.	Parts Name	Key # & Q'ty
UM-1	Gear Set	20 20 23 29 × 1
UM-2	Metal Bushing Set	③1×1 ⑧ ③1×2 ⑦×6
UM-5	Gear Shaft Set	19 26×1 27×2
UM-7	Sus, Shaft Set	① 80 80 82×2
UM-8	Front Shaft Set	
UM-9	Rod Set	(3) (8) × 2
	The state of the s	8 8 8 × 1 7 × 2
UM-13	Sus. Arm Set	59 56 × 2
UM-14	Servo Saver Set	\$7 \$8 \$9 \$6 \$2 \$5 \$6 \times 1 \$1 \times 2 \$63 \$6 \times 4
UM-21	Front Bumper	®×1
UM-34	Body	®×1
UM-39	Front Wheel Yellow	9×2
UM-42		28 29×2
UM-49		④ 50×1 47 48×2
cesserial complete	Bulk Head Set	5) 52 53 59 (0 × 1
UM-51	Motor Plate	②×1
UM-52		90 90 × 1
UM-63	Shock Stay Set	4 3×1
UM-65		
		® × 1
UM-66		® × 1
UM-67		®×1
UM-68		Screws, Nuts, Wrenches
UM-69		® × 1
UMW-1	Wing Stay Set	67 68 69 × 2 70 × 4
OT-5	Joint	①×2
OT-6	Swing Shaft	18×2
OT-18	Rear Shaft	®×2
OT-19	CONTRACTOR PROPERTY.	①×4
O T -24	Pinion Gear (15T)	①×1
O T -28	Diff. Gear Set	16×2 19 13×4
O T -29	O Ring	③ ×10
O T -31	M3 Pillow Ball	⑨ ×10
O T -32	5.8 φ Ball	③ ×10
O T -33	M2.6 Ball Nut	⊕×10
OT-35	Upper Rod Set	16 10×4 15×8
OT-36	M2.6 Pillow Ball	® ×10
O T -38	Silicone Grease	99 × 1
OT-39	E Ring (E2.5)	€ ×10
OT-66	Low Profile Tire	®×2 Pin Type
O T -107		®×1
O T-129		16×2 19×1
O T W-9		10×2 10 13 14×4
F D -37	DI 1 01 1 (0)	33 35 36 37 39 (1) (2) (3) (4) (5) × 2
F D —38	* (L)	
W-5071	Front Tire M-S	®×2
1819		® ® ® × 1
1831	Rotary Controller	@×1
1840	Double Sided Tape	93 × 1
1878	Screw Locking Comp	
1889	Body Pin	⊕×5
1914	4 φ x8 Metal Bushin	
1943	Cross Wrench	® × 1
S C 89	Tie Rod	88×2 33 78×4

No.	Parts Name	Key # & Q'ty
E P -22	Hook Pin	⑩×5
MA-17	Wheel Set	
E F -37	Strap (S)	% ×6
E F -39		⑨×6
S D -79	Antenna	96×5
C B -72	B B1 (B0)	®×4
K C -20		®×4
B B -26		№ 1 set
	Optional Parts	
O T -50	PinionGear (13T)	Gear Ratio 9.5: 1
O T -51	* (14T)	→ 8.8:1
O T -52	→ (16T)	* 7.7:1
O T -53	+ (17T)	* 7.3:1
UM-23		→ 6.9:1
UM-24	(10 T)	◆ 6.5:1
UM-25	1.41.41.11	* 6.2:1
UM-26		FRP (Front & Rear)
UM-28		Aluminum
	Stabilizer Set	
	Front Tire	
S C -90		
1883	Frontier Hobby Oil	30cc
1901	Ball Bearing(5¢×10)	2pcs, for Rear Hub, Gear Box
1903	* (4¢×8)	2pcs, for Rear Hdb, Gear Box 2pcs, for Center Gear & Front W
1911	* (8¢×14)	2pcs, for Diff, Gear
1951	Shock Oil (S·M·H)	Soft, Medium, Hard
1951	Silicone Oil (\$)	Soft, Wedidin, Hard
1954	→ (M)	Medium
1955	(H)	Hard
W-0109		
** 0103		Laby Hajasting
W-0110	Special Spur Gear	
W-0111	Special Counter Gear	
W-5001	Pressure Shock (S)	High Quality
W-5002	* (L)	
W-5003	Adjustable Shocks)	Easy Adjusting
W-5004		*
W-5005		Easy Adjusting
W-5031		Hard Road Surface
W-5032		Soft Road Surface
W-5061	Universal Swing Sha	ft
W-5072		
W-5073	100000000000000000000000000000000000000	
W-5074	→ S-H	
) Oz. Stillesen	LowProfile SS-M	
W-5078	→ MH−M	
W-5085		
(Hard Pinion Gear	
w-5093	(15T~23T)	
11 3033		

NO.3118

The Super Hobby-



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