

USA-1 NITRO CRUSHER



- REALISTIC SCALE MODEL OF EVERETT W. JASMER'S "USA-1" MONSTER TRUCK, THE MOST POWERFUL IN THE WORLD.
- SCALE CAR-CRUSHER PERFORMANCE WITH REAL ENGINE POWER AND SOUND.
- HUGE 6.5 INCH (165mm) TIRES CLIMB OVER HIGH OBSTACLES AND COPE WITH ROUGH TRACKS.
HIGH-GRIP TREAD PATTERN FOR TOP TRACTION.
- LONG-TRAVEL ALL-INDEPENDENT SUSPENSION WITH DOUBLE WISHBONES AND DUAL SHOCKS TO SOAK UP THE BUMPS AND KEEP CONTROL.
- MANY REALISTIC CHROME-NO "A" FINISH PARTS AND DECORATIVE SELF-ADHESIVE LOGO/DECALS FOR SCALE APPEARANCE.
- TWO-CHANNEL W/TWO SERVOS, 21 SIZE ENGINE, RADIO CONTROL SET (NOT INCLUDED).



KYOSHO
THE FINEST RADIO CONTROL MODELS

FOR THE SERIOUS RAGER

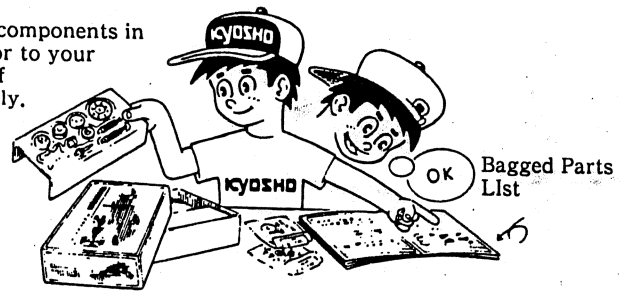
▶ KIT NO.3241 ◀

Steps and structure beforehand by reading it through to the end.

○ Check the parts in the kit.

Check to see if all the parts are correctly bagged as they are listed in the "Bagged Parts List" (page 3, 4). Your thorough 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.



Any claims for replacements or refunds for the model in the process of assembly will not be accepted.

○ Learn the marks discribed in the instruction.

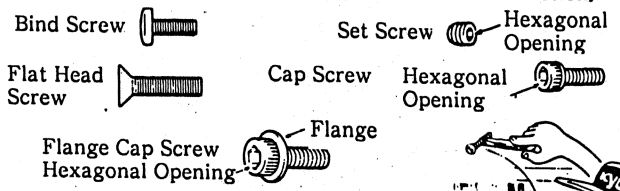
—**LOCK CEMENT** ... Place to put some locktite.
(It will prevent the screws and nuts to get loosen by vibration while running.)

—**GREASE**Point where grease should applied.
(It will reduce friction are assure smooth movements.)



Coarse Thread pointed tips. Fine Thread

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



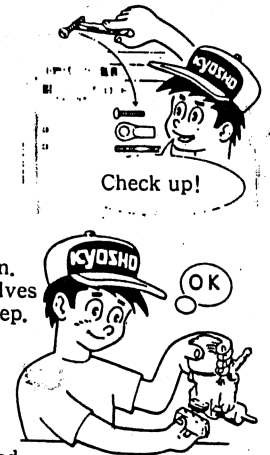
○ Pick up the correct parts and screw. Compare the shape and size of small parts, such as screws, nuts, and washers.

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

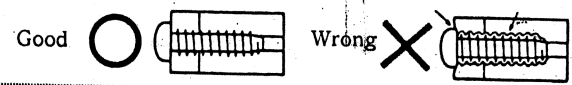
Double-check the location and direction of parts with the illustration before installation. When necessary, assemble the parts themselves tentatively before proceeding to the next step.

○ Do not tighten the self-tapping screw too tight.

Do not use excessive force when tightening the self-tapping 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.



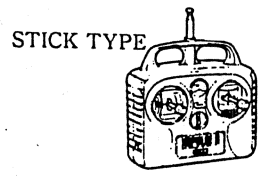
Over tighten may strip the thread in the plastic.



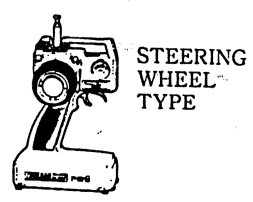
THINGS NEED BESIDES THE KIT

< 2 Channel Radio System >

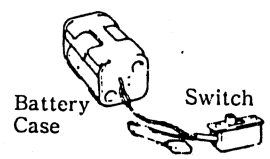
* Attention . . This servo for steering should be used the high-torque type. Two types of radio control set are on the market, the stick and the steering wheel type. Choose which ever you like.



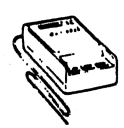
Transmitter



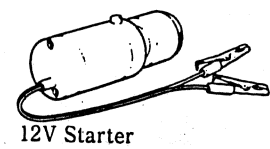
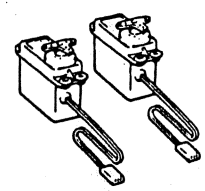
STEERING WHEEL TYPE



Receiver



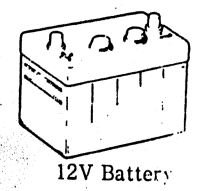
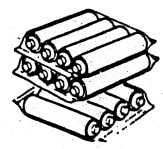
Servo



Glow Fuel

< Battery for Radio System >

For Transmitter . . . 8 pcs.
For Receiver . . . 4 pcs.



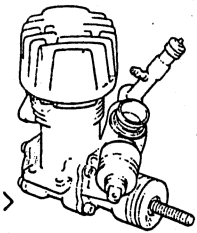
Glow Plug Battery Cord

12V Battery

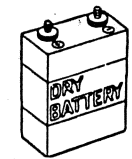
< Engine >

The following 21 size engines can be used for this model car.

OS-21 RFB
ENYA 21 CXL



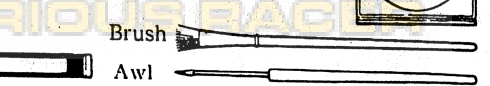
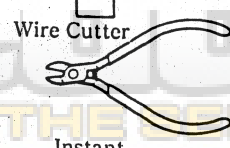
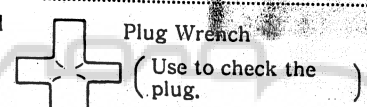
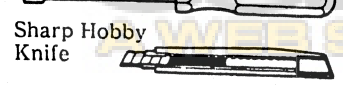
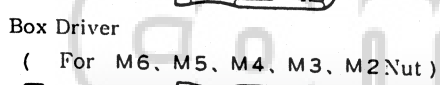
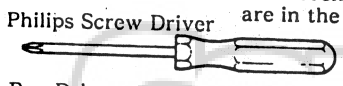
< Things need to start the engine >



1.5V Battery *

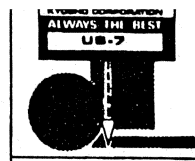
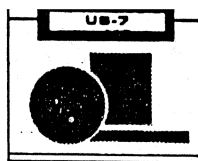
* Use to heat the glow plug.

< Tools Required > Hex Wrench, Grease and Screw Locking Compound are in the kit.





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



or



Keep it in the bag.

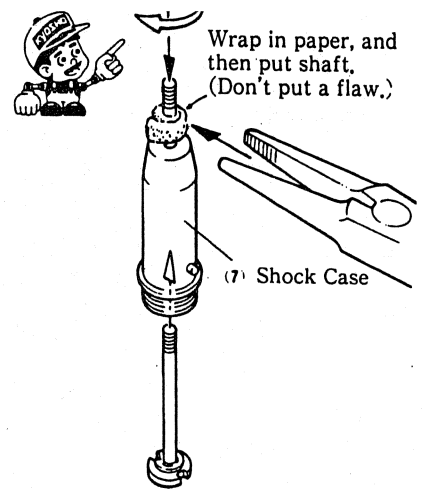
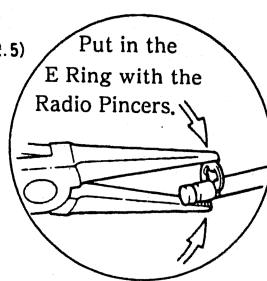
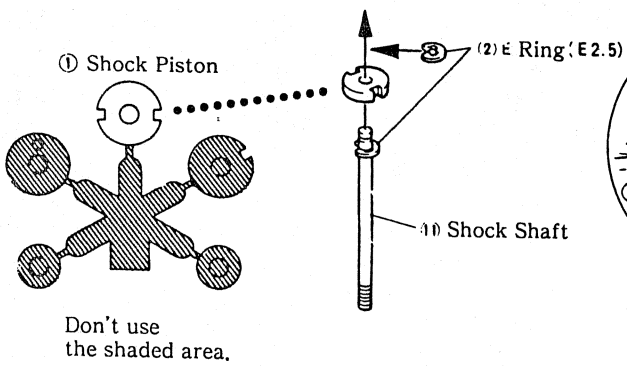
Affix it on the bag with tape.

Bag No.	Key #	Parts Name	Q'ty	Step	
US-1	1	Shock Piston	8	1	
	2	E Ring (E-2.5)	16	1	
	3	Spring Holder	8	2	
	4	Spring Adjuster	8	2	
	5	Shock Ring	8	2	
	6	Shock Spring	8	2	
	7	Shock Case	8	1	
	8	Shock End	8	1	
	9	Pressure Top	8	2	
	10	Shock Cap	8	2	
	11	Shock Shaft	8	1	
181	Shock Oil	2	2		
US-3		Center Diff. Assembly	1	Assembly	
		Front Gear Box Assembly	1	♦	
		Rear Gear Box Assembly	1	♦	
US-4 Plastic Parts	★ 12	Shock Pivot (1)	1	3	
	★ 13	♦ (2)	1	3	
	★ 14	♦ (3)	1	5	
	★ 15	♦ (4)	1	5	
	★ 16	Front Body Mount	2	7	
	★ 17	Rear ♦	2	4	
	18	Rear Sus. Holder	1	3	
	26	Rear Sus. Arm	2	4	
	27	Rear Hub (R)	1	4	
	★ 29	Upper Sus. (A)	2	3	
	★ 30	♦ (B)	4	3 7	
	★ 41	Shock Bush	8	5 3	
	43	φ 6.8 Ball End	8	5 11	
	52	Hub Carrier (R)	1	7	
	53	♦ (L)	1	7	
	57	Center Diff. Housing (A)	1	9	
	58	♦ (B)	1	9	
	★ 77	Radio Plate	1	12	
	★ 79	Servo Fixing Post	4	12	
	85	Fuel Tank Pivot	1	13	
	86	Bumper	1	14 (Cutting)	
	100	Servo Fixing Stay (A)	1	16	
	101	♦ (B)	1	16	
	133	Front Sus. Upper Holder	1	6	
	136	Servo Spacer	2	16	
	138	Front Sus. Arm	2	7	
	141	Rear Hub (L)	1	4	
	★ 144	Upper Sus. (C)	2	7	
	US-5	23	Joint	1	3
		32	Rear Wheel Shaft	2	4
33		Swing Shaft	2	4	
34		Rear Shock Stay	1	3	
35		φ 3 X 27 Shaft	2	4	
36		φ 3 X 44 Shaft	4	3 4	
37		φ 4 X 77 Shaft	2	4	

Bag No.	Key #	Parts Name	Q'ty	Step
US-5	39	φ 3 Stopper	2	4
	40	Rear Gear Cover	1	3
	42	φ 6.8 Ball	1	5
	55	M3 Pivot Ball	4	5
	73	Tie Rod (A)	1	5
	81	φ 8 X 16 Bushing	4	4
	US-6	23	Joint	1
35		φ 3 X 27 Shaft	2	7
36		φ 3 X 44 Shaft	4	7
39		φ 3 Stopper	2	7
49		Front Shock Stay	1	6
50		Knuckle Arm (R)	1	7
51		♦ (L)	1	7
54		King Pin	4	7
55		M3 Pivot Ball	4	3
67		Front Gear Cover	1	7
116		Universal Joint	2	7
147		φ 4 X 64 Shaft	2	7
US-7		42	φ 6.8 Ball	6
	44	φ 8 Aluminum Collar	2	17
	59	Disk Brake	1	9
	60	Brake Pads	2	9
	61	Brake Cam	1	9
	62	Brake Stopper	1	9
	63	Brake Lever	1	9
	64	Linkage Guide	1	11
	65	Servo Saver Shaft (A)	2	11
	66	♦ (B)	1	Assembly 11
	68	Servo Saver Spring	1	
	70	Servo Saver Horn (B)	1	
	71	♦ (C)	1	
	69	♦ (A)	1	11
	73	Tie Rod (A)	2	11
	74	♦ (B)	1	11
	75	φ 6 Aluminum Collar	2	11
	82	Center Shaft	2	13 14
	84	Torque Rod Pivot	1	13
	115	Brake Lining	2	9
	155	φ 5 X 10 Bearing	2	9
	156	φ 5 X 10 Collar	1	9
	157	Counter Gear	1	9
158	Counter Gear Mount	1	9	
159	Counter Gear Shaft	1	9	
US-8	38	E Ring (E-3)	1	15
	78	Switch Boot	1	12
	83	Mount Plate	2	16
	87	Manifold	1	15
	88	Engine Mount	1 set	15

US-8	89	Fly Wheel	1	15	
	90	Clutch Pin	2	Assembly	
	91	Pilot Shaft	1	15	
	92	Clutch Shoe	2	15	
	93	Clutch Spring	1	Assembly	
	94	Clutch Bearing Case	1	15	
	95	Clutch Rollar	8	Assembly	
	96	Clutch Bell (13T)	1	15	
	102	Tank Cap	1	15	
	103	Tank Seal	1	15	
	104	Fuel Tank	1	15	
	105	Aluminum Pipe	1	15	
	106	Rubber Bush	1	15	
	107	Fuel Tube	1	15	
	109	Steering Rod	1	17	
	110	φ 2 Stopper	5	18	
	111	Engine Control Spring	1	18	
	112	Linkage Guide (B)	1	18	
	139	Silicone Grease	1		
	140	Screw Locking Compound	1		
	142	Engine Control Rod	1	18	
	146	Air Cleaner	1set	18	
	153	Brake Rod	1	18	
		φ 5 X 10 Washer	1	18	
		φ 6 X 18 Washer	1	18	
	US-9	76	Antenna Pipe	1	17
		80	Strap (L)	1	17
		98	Muffler (A)	1	15
		99	• (B)	1	15
		108	Plate Joint	1	17
		117	φ 2.6 X 16 Shaft	4	20
		118	Wheel Stopper	4	20
		119	O Ring (L)	4	20
		134	Strap (M)	3	18 15
135		Rear Shock	1	18	
148		φ 38 Muffler Baffle	1	15	
151		Radio Cover	1	17	
★160		Rear Shock (Plate)	1	20	
★161		Front Shock (Plate)	1	20	
★162		Front Grill	1	20	
★163		Front Grill Stopper	2	20	
★164		Headlight Lens (R)	1	20	
★165		• (L)	1	20	
★166		Position Light Lens	2	20	
★167		Door Mirror (R)	1	20	
★168		• (L)	1	20	
★169		Door Mirror Stopper	2	20	
★170		Roll Bar (F)	1	20	
★171		• (R)	1	20	
★172		Roll Bar Back Stay (R)	1	20	
★173		• (L)	1	20	
★174		Fog Light Cover	5	20	
★175		Fog Light	1	20	
★176		Dummy Air Cleaner Cover	3	20	
★177		Dummy Air Cleaner	3	20	
★178		Carburetor	1	20	
179		Double Sided Tape	1	20	
183		φ 8 X 16 Washer	4	20	

BOX	113	wheel	4	15	
	114	Tire	4	15	
SMALL BOX	121	Body	1	20	
	143	Main Chassis	1	15	
INSTRUCTION	145	Decal	1	20	
	152	Side Guard	2	20	
	180	Mirror Seal	1	20	
		Instruction	1		
	2	E Ring (E-2.5)	16	15 17 17	
	38	• (E-3)	10	17 17	
	97	• (E-4)	1	15	
	120	Wheel Stopper Bolt	4	20	
	122	Body Pin	8	20	
	184	φ 5 Lock Ring	6	20	
31	M 5 X 35 Shaft	4	15 17		
	M 3 X 8 T P Bind Screw	11			
	M 3 X 10 •	19			
	M 3 X 15 •	10			
	M 4 X 15 •	16			
	M 4 X 20 TP Flat Head Screw	6			
	M 4 X 25 •	4			
	M 2.6 X 8 TP Round Head Screw	10			
	M 2.6 X 16 •	2			
	M 2.6 X 18 •	6			
	M 3 X 12 Flat Head Screw	2			
	M 3 X 18 Round Head Screw	2			
US-2		M 3 X 10 Bind Screw	1		
		M 3 X 15 •	2		
		M 3 X 25 •	2		
		M 4 X 8 •	9		
		M 4 X 10 •	2		
		M 4 X 15 •	2		
		M 3 X 10 Cap Screw	5		
		M 3 X 18 •	10		
		M 3 X 25 •	1		
		M 4 X 10 Flange Cap Screw	4		
		M 3 X 3 Set Screw	11		
		M 4 X 12 •	4		
		M 5 X 4 •	2		
		M 2 Nut	1		
		M 3 Nylon Nut	12		
		M 3 Flange Nut	10		
		M 4 •	2		
		M 5 •	1		
		M 3 Washer	14		
		M 5 X 10 Washer	1		
		M 5 X 12 •	2		
		Hexagonal Wrench (1.5)	1		
		• (2)	1		
		• (2.5)	1		
		• (3)	1		
	(1) The key numbers with ★ indicated the plastic parts on a runner.				
	(2) There are spare screws to assemble.				

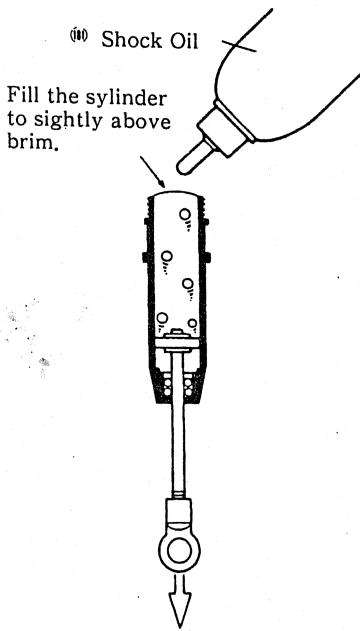


2 FILLING SHOCK OIL

These parts are in the bag (US-1).

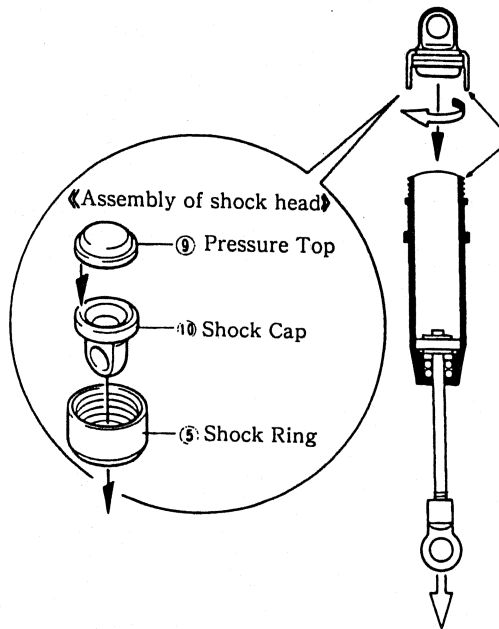
STAGE 1

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.

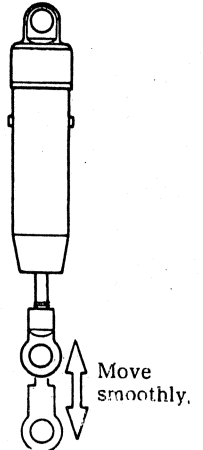


STAGE 2

Keep the position in the lowest position and tighten the shock cap gradually, then excessive oil will spill over.



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



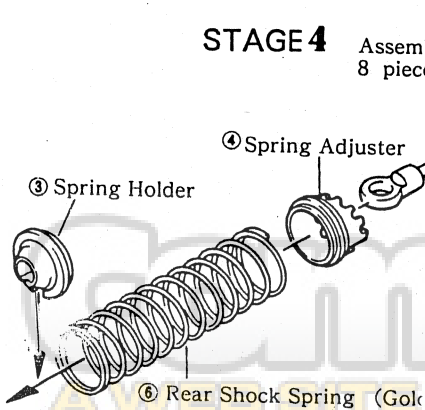
STAGE 3

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

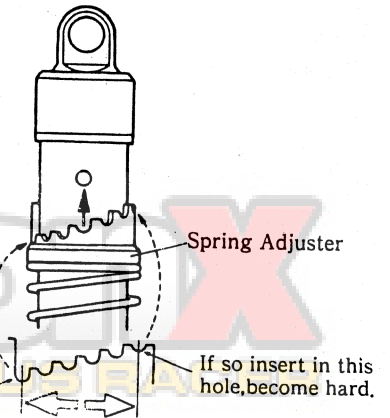
- Spring tension can be adjusted by high simply changing the hole position of the spring adjuster

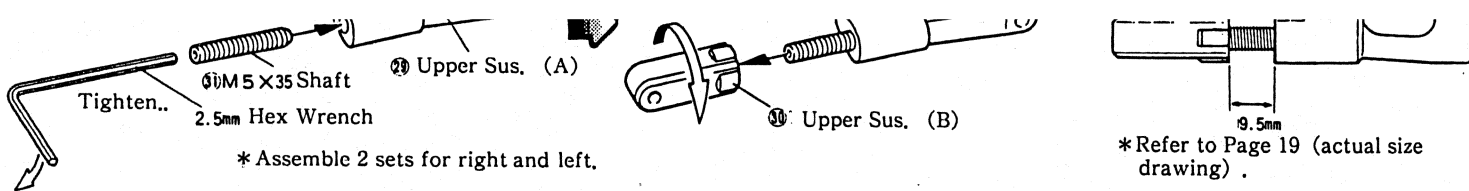
STAGE 4

Assemble 8 pieces.

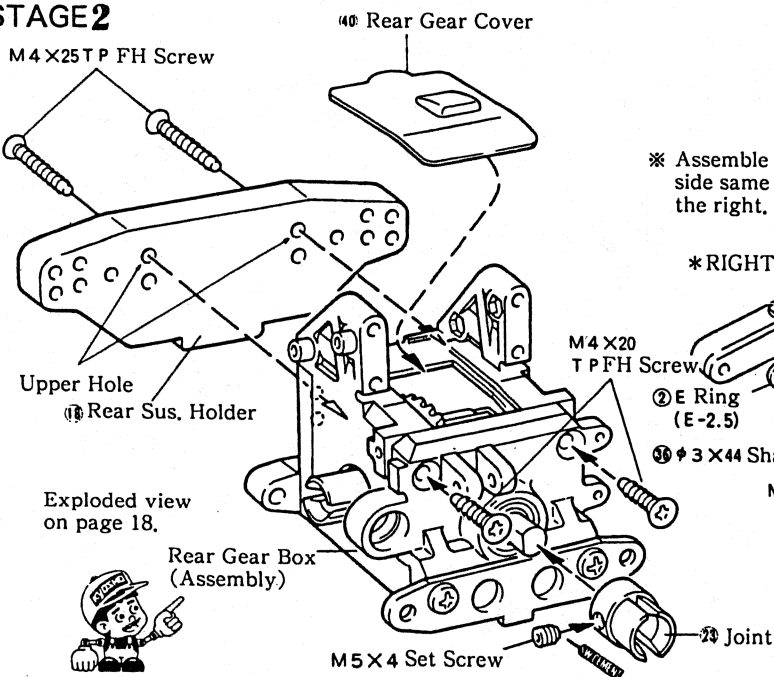


If so insert in this hole, become soft.

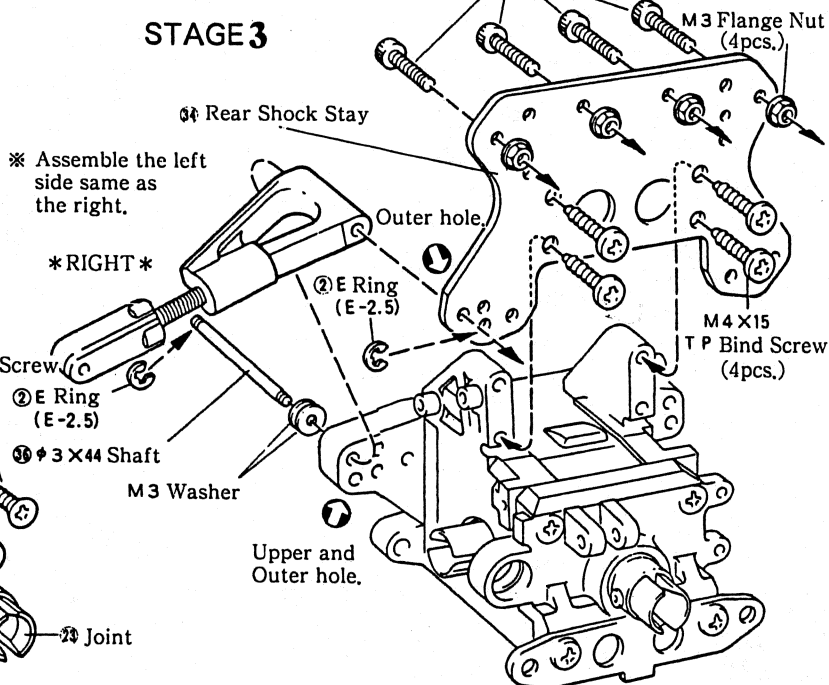




STAGE 2



STAGE 3

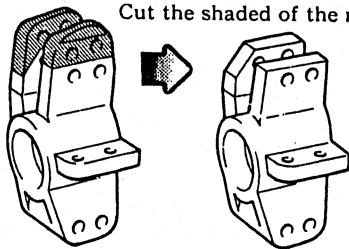


4 INSTALLATION OF REAR SUSPENSION ARMS

STAGE 1

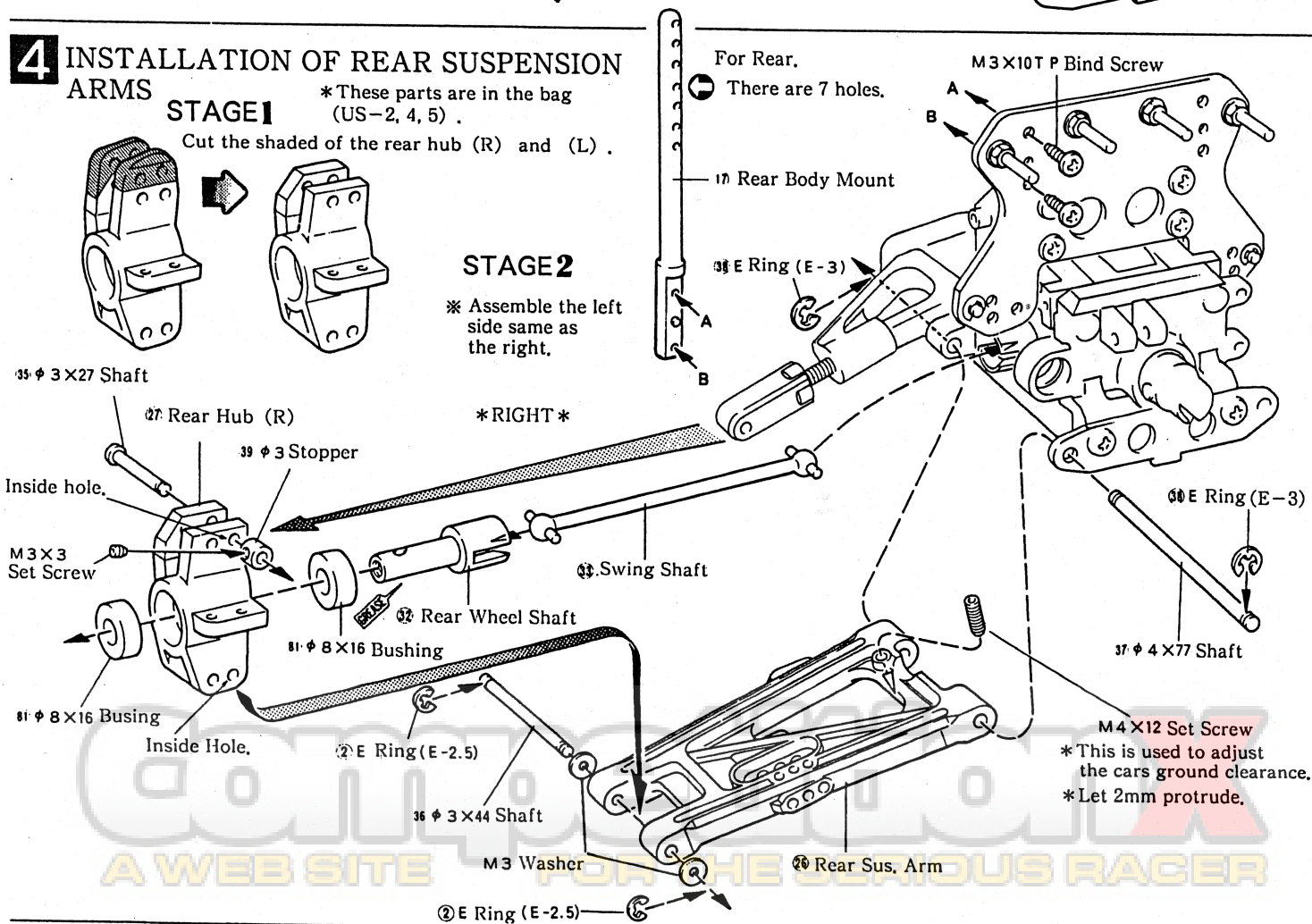
* These parts are in the bag (US-2, 4, 5) .

Cut the shaded of the rear hub (R) and (L) .

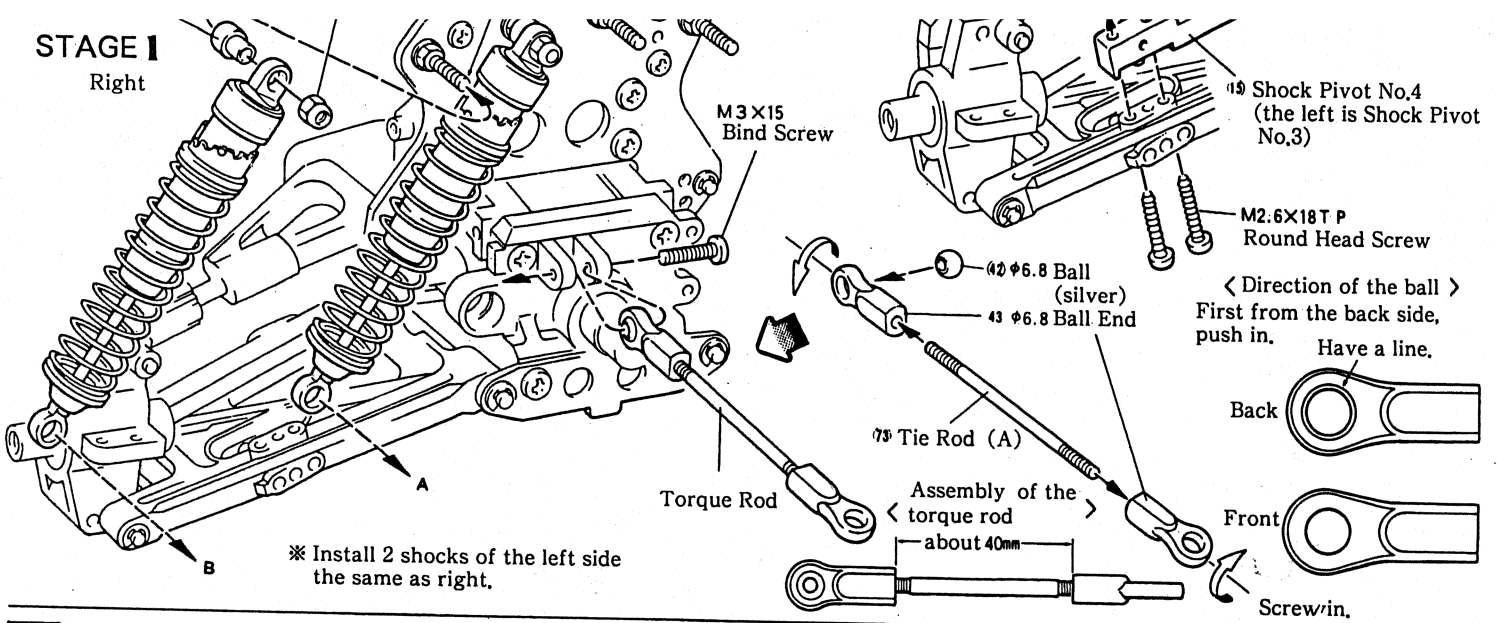


STAGE 2

* Assemble the left side same as the right.

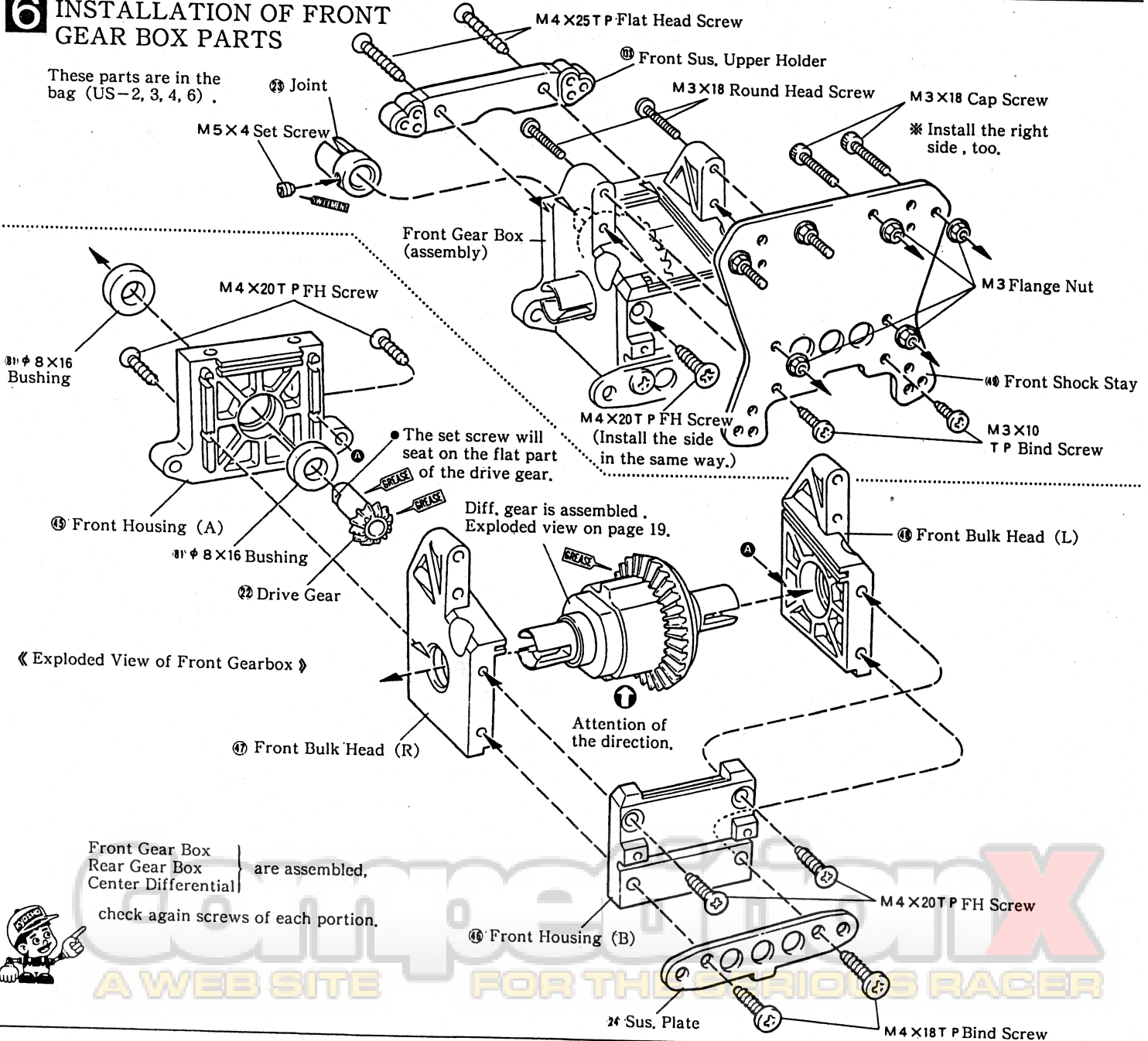


STAGE I
Right



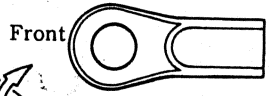
6 INSTALLATION OF FRONT GEAR BOX PARTS

These parts are in the bag (US-2, 3, 4, 6).



* Install 2 shocks of the left side the same as right.

< Direction of the ball >
First from the back side, push in.
Have a line.



* Install the right side, too.

Diff. gear is assembled. Exploded view on page 19.

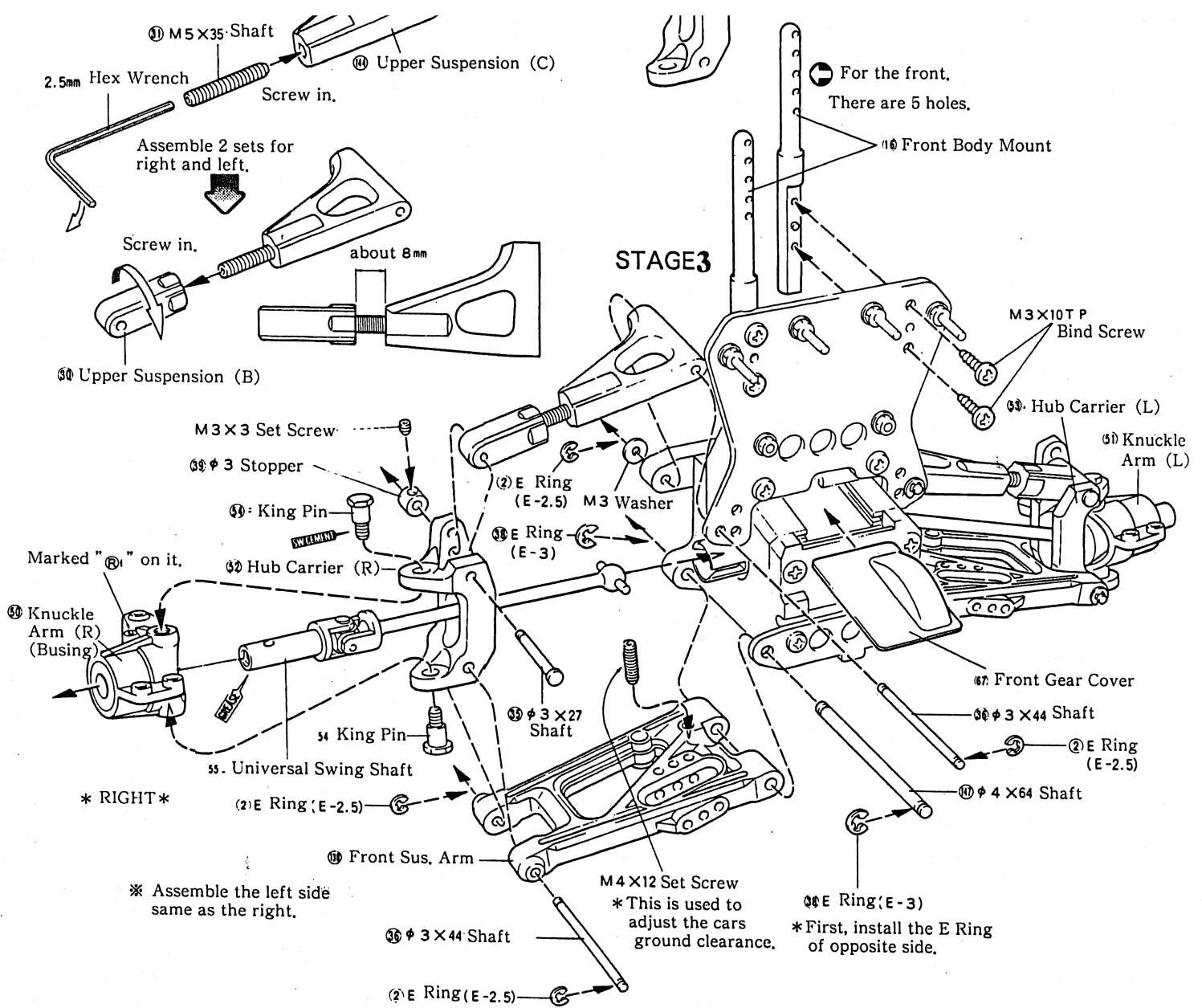
Attention of the direction.

Front Gear Box
Rear Gear Box
Center Differential

are assembled,
check again screws of each portion.

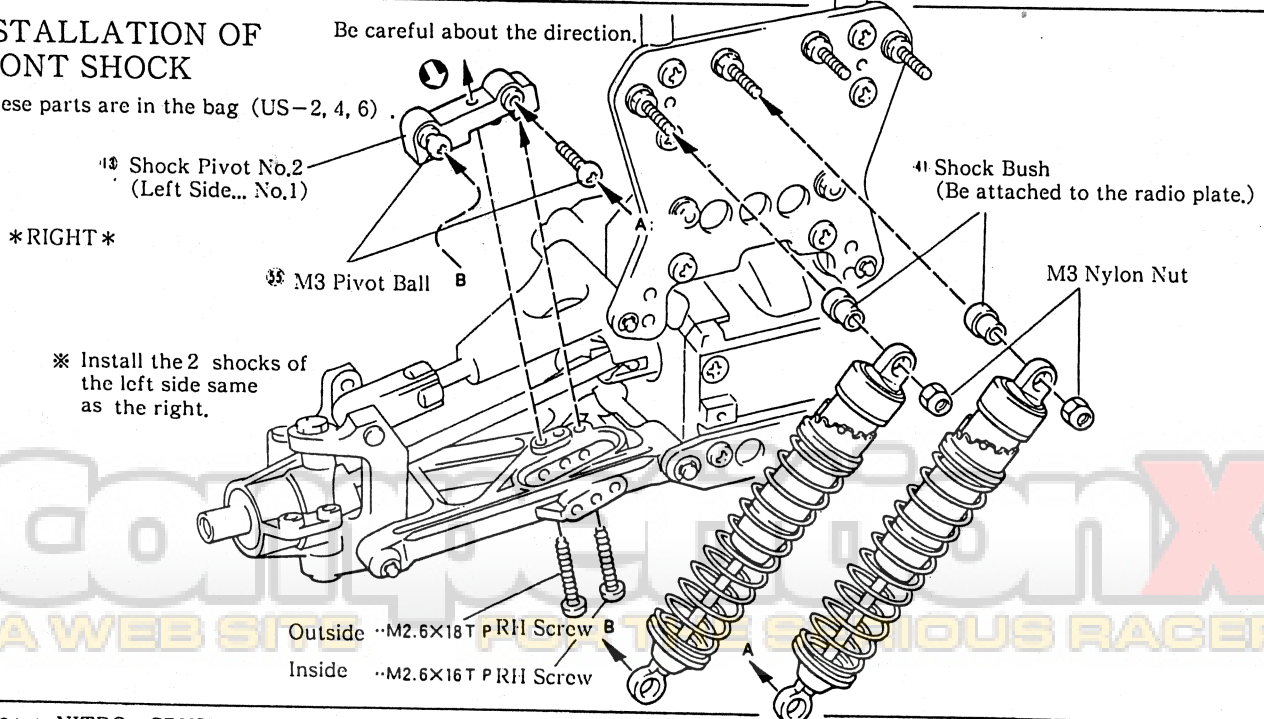


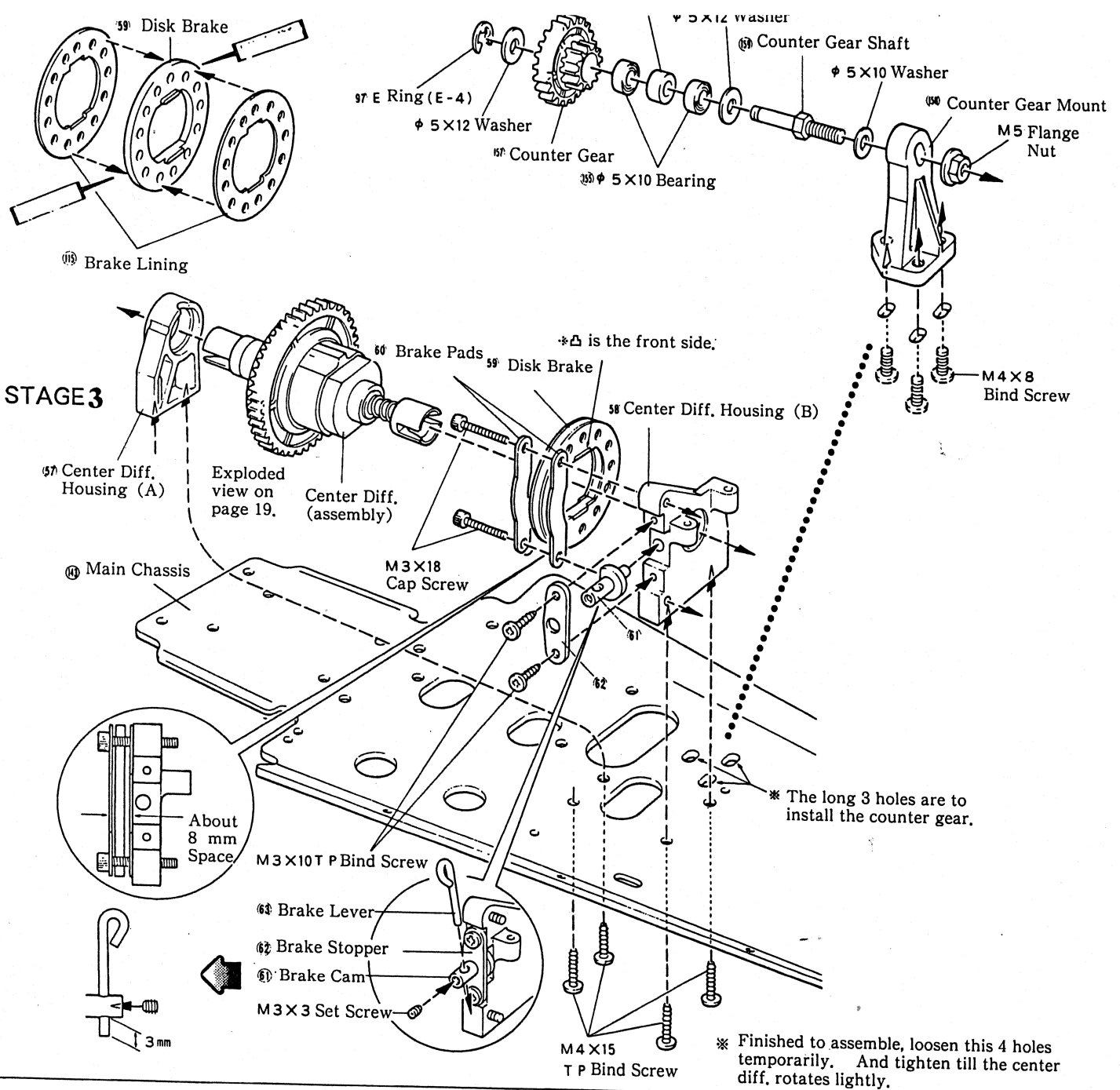
A WEB SITE FOR THE SERIOUS RAGER



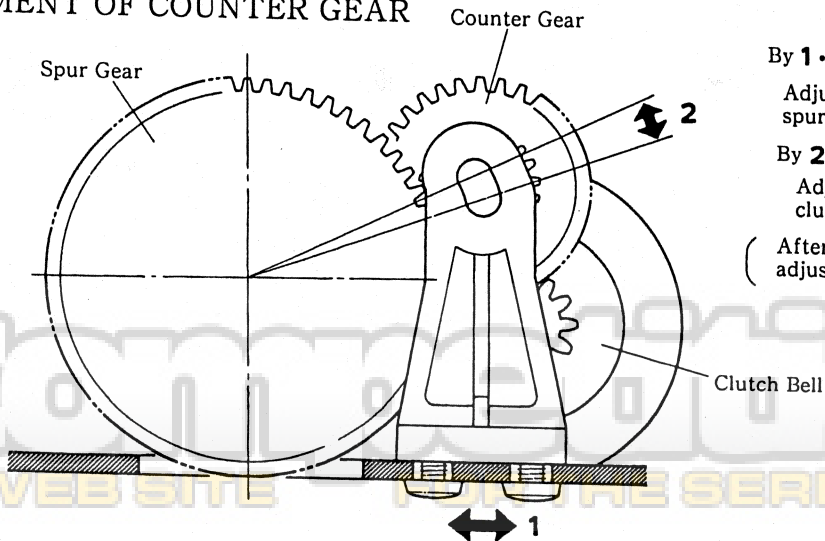
8 INSTALLATION OF FRONT SHOCK

These parts are in the bag (US-2, 4, 6).





10 ADJUSTMENT OF COUNTER GEAR



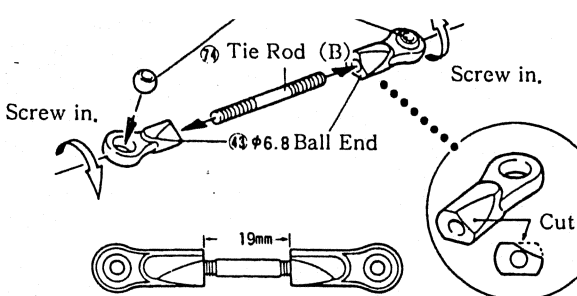
By 1 ...

Adjust the backlash between the spur gear and the counter gear.

By 2 ...

Adjust the backlash between the clutch bell and the counter gear.

(After 10 (installation of engine), adjust at 2 .)

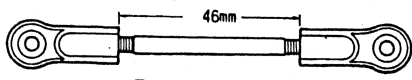
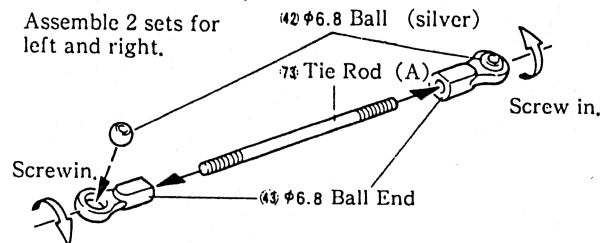


First, tighten this nut till the end. And loosen till half spin. If so can screw the linkage guide (A) lightly.

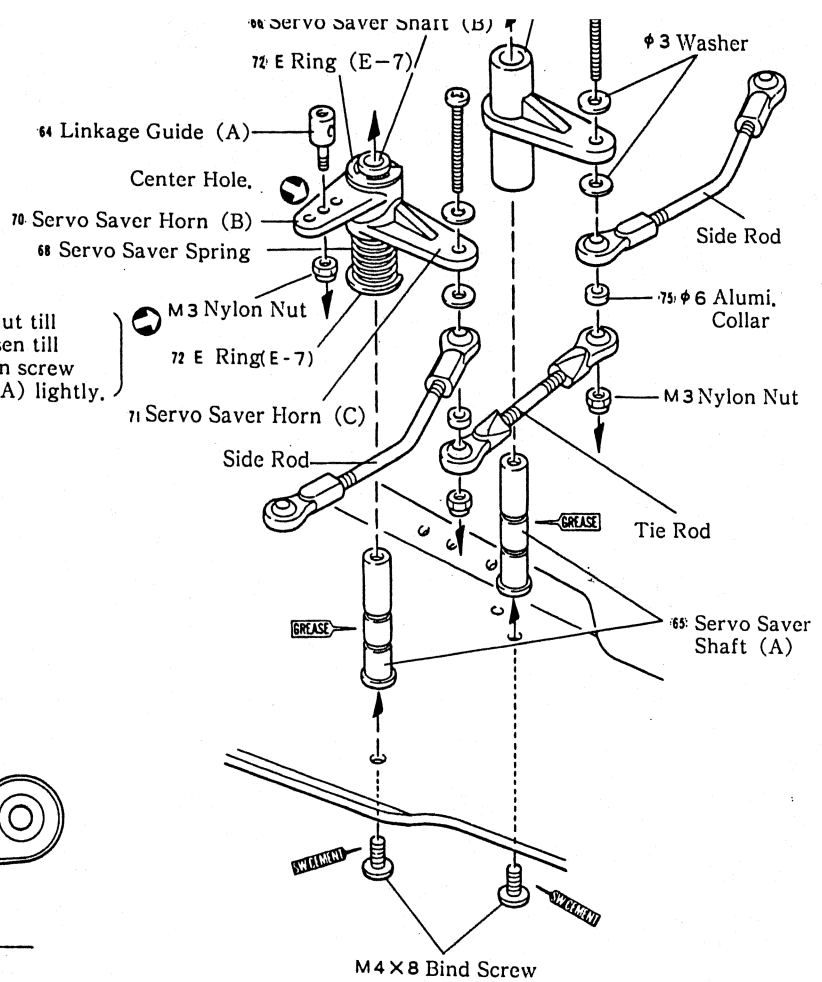
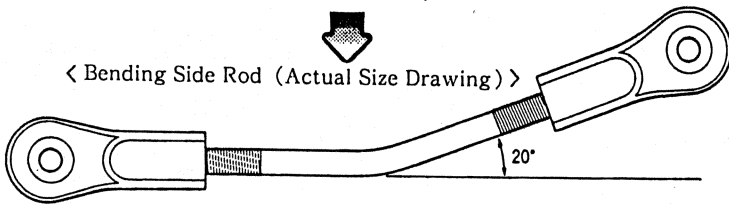
STAGE 2

« Assembly of Side Rod »

Assemble 2 sets for left and right.



Bend as shown.

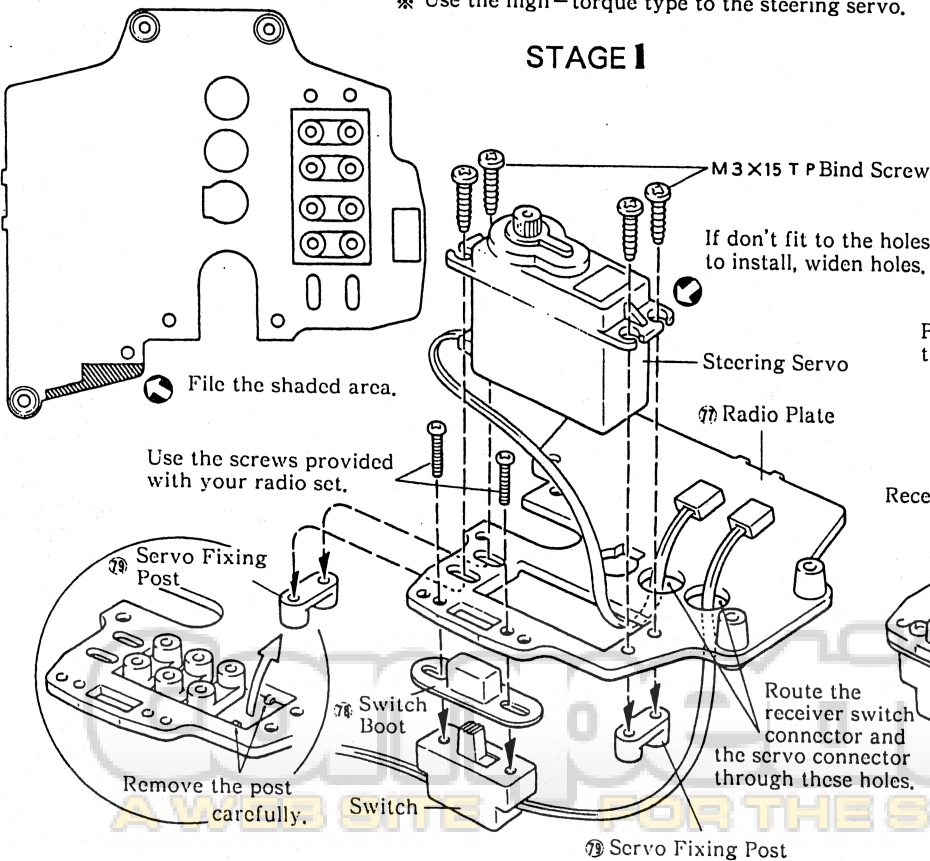


12 INSTALLATION OF RADIO SYSTEM These parts are in the bag (US-2, 4, 8, 9) .

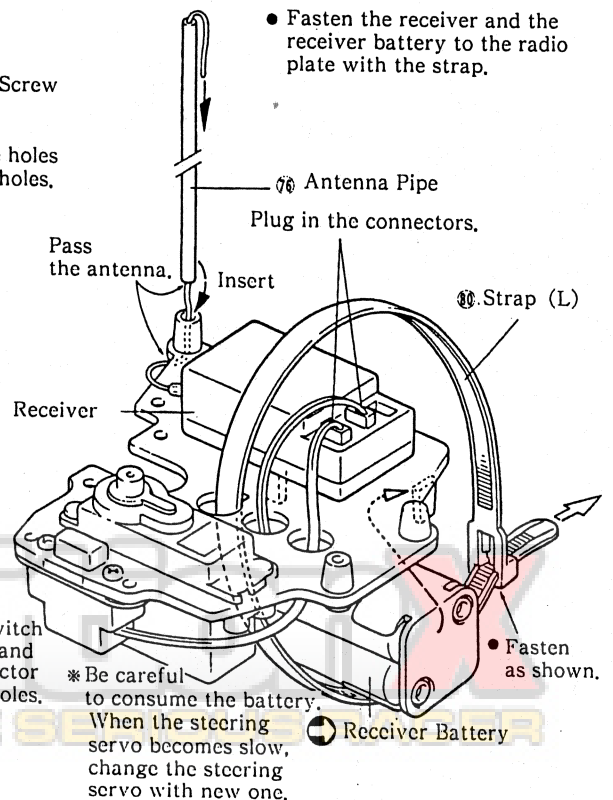
※ Use the high-torque type to the steering servo.

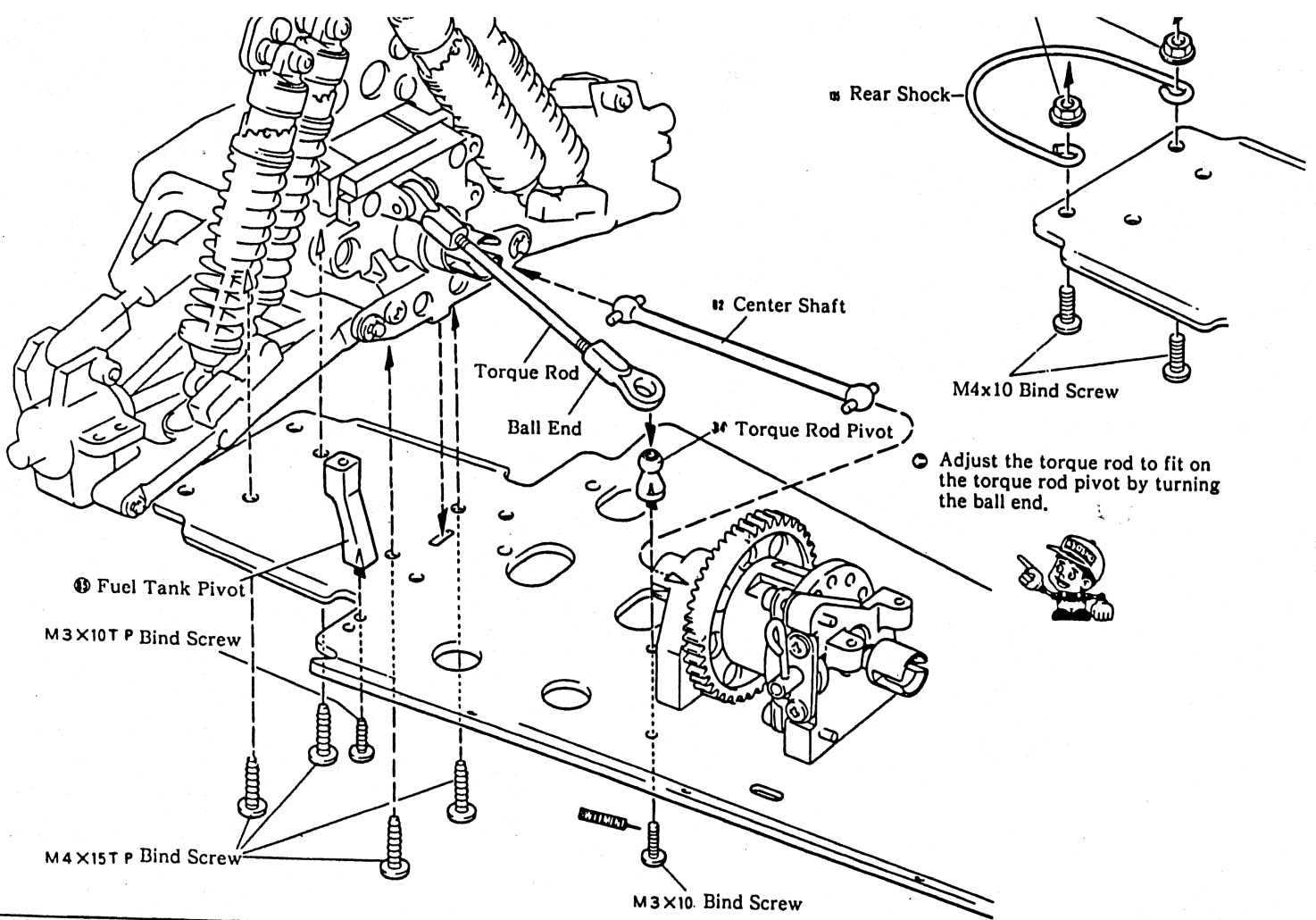
※ When the car runs on the soiled road, it is better to put the radio cover to the receiver.

STAGE 1



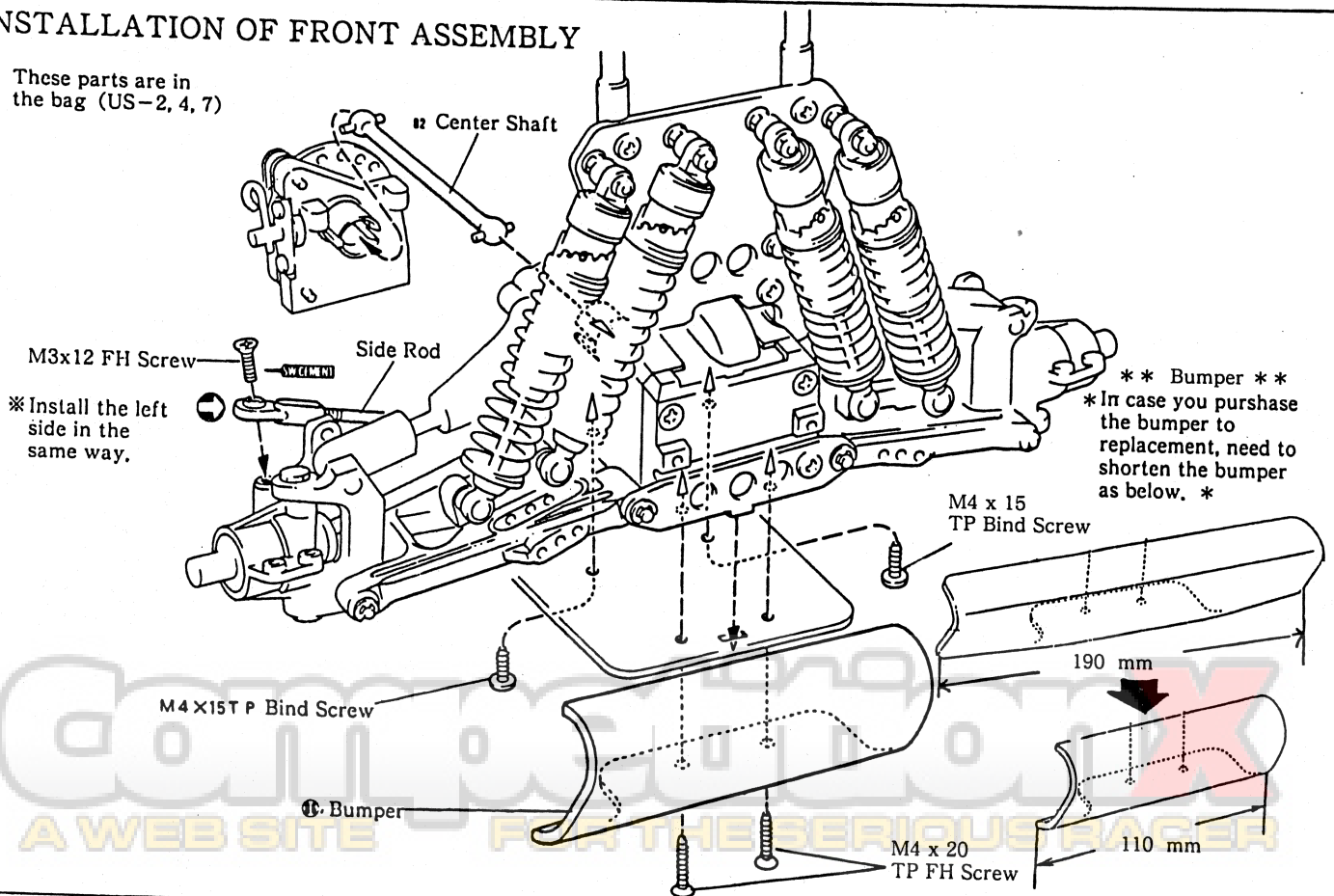
STAGE 2

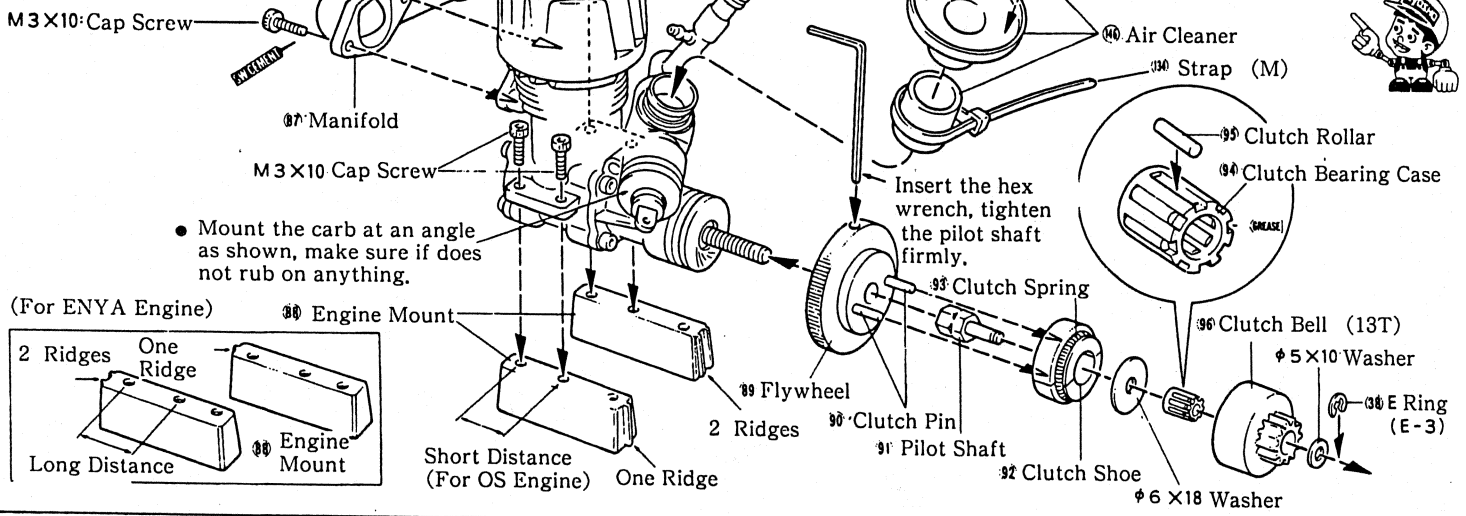




14 INSTALLATION OF FRONT ASSEMBLY

These parts are in the bag (US-2, 4, 7)

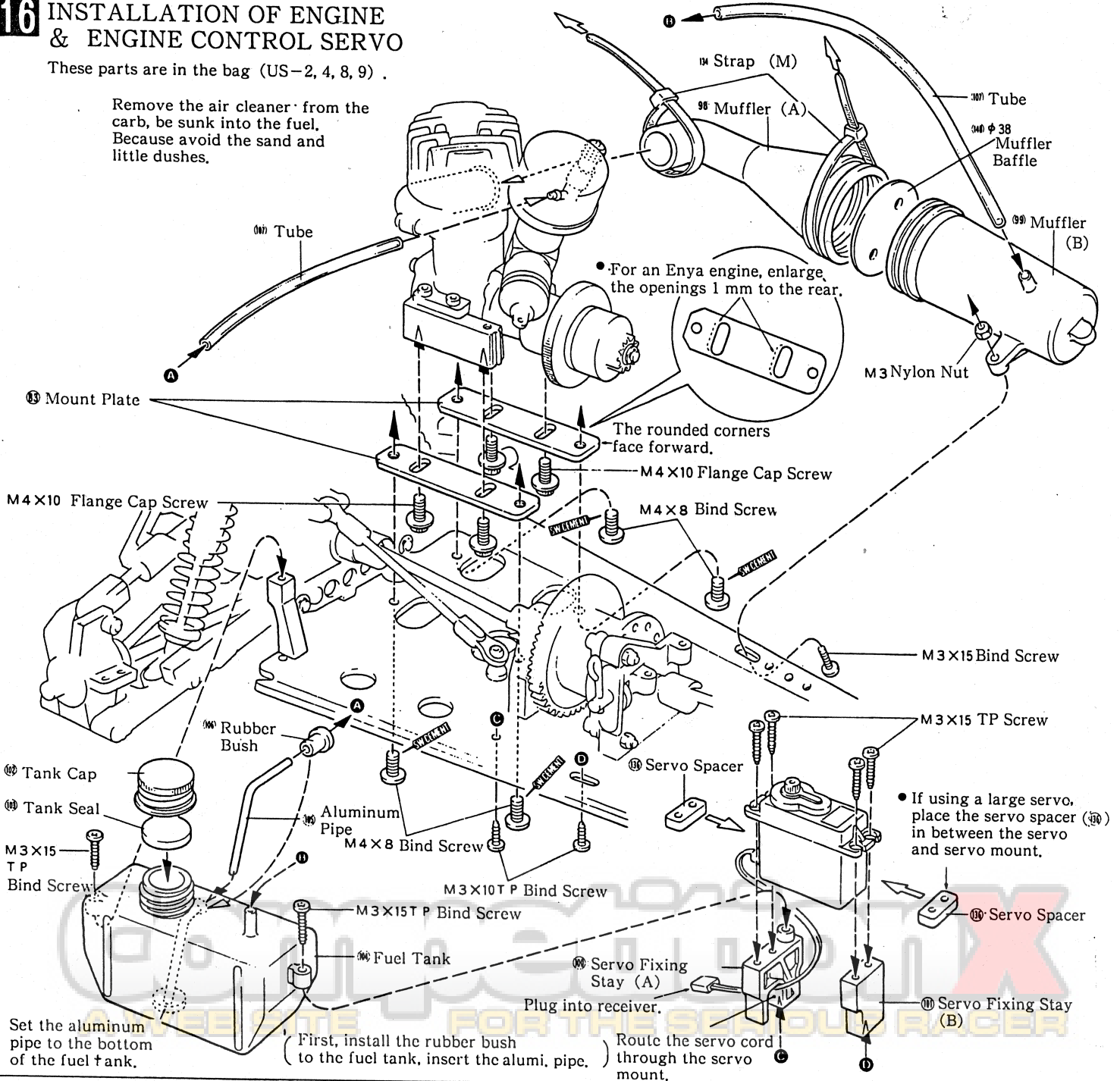


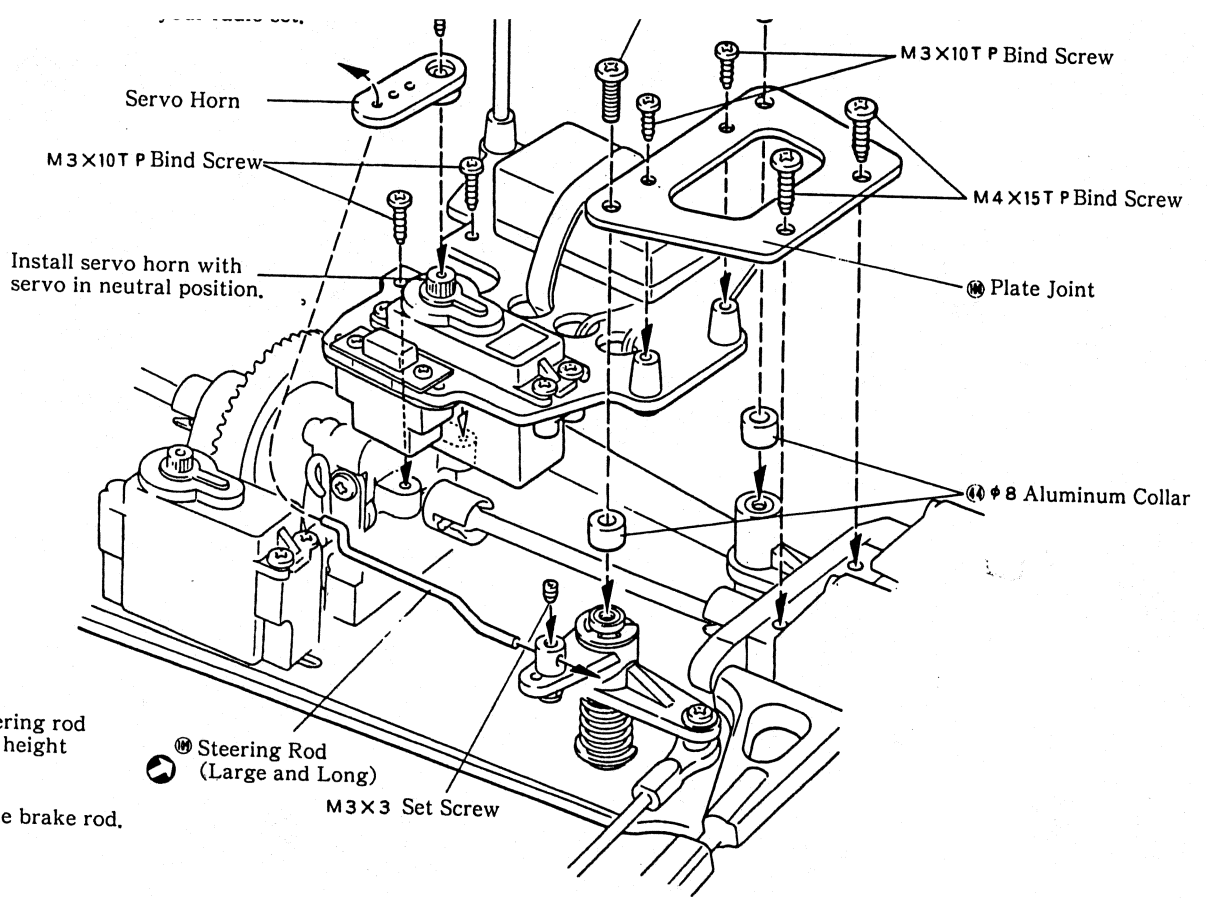


16 INSTALLATION OF ENGINE & ENGINE CONTROL SERVO

These parts are in the bag (US-2, 4, 8, 9).

Remove the air cleaner from the carb, be sunk into the fuel. Because avoid the sand and little dushes.





Bend the steering rod referring the height of the servo.
Be careful... This is not the brake rod.

18 ENGINE CONTROL LINKAGE

These parts are in the bag (US-2).

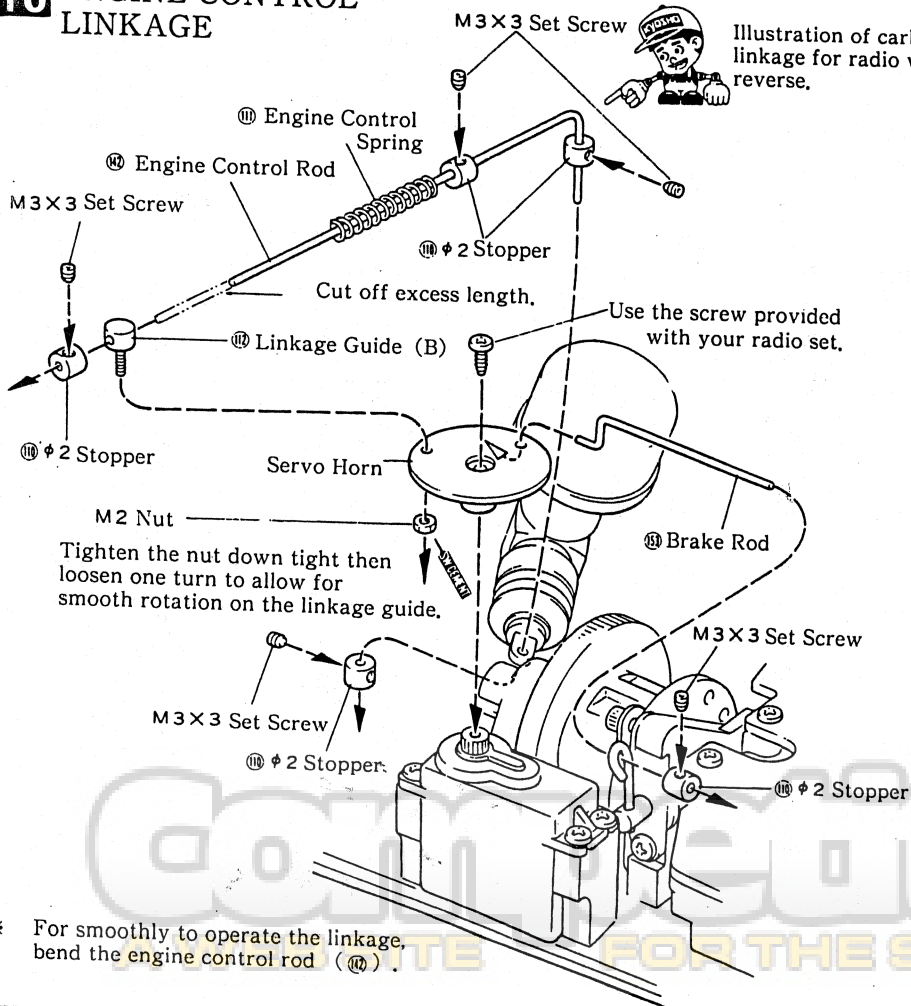
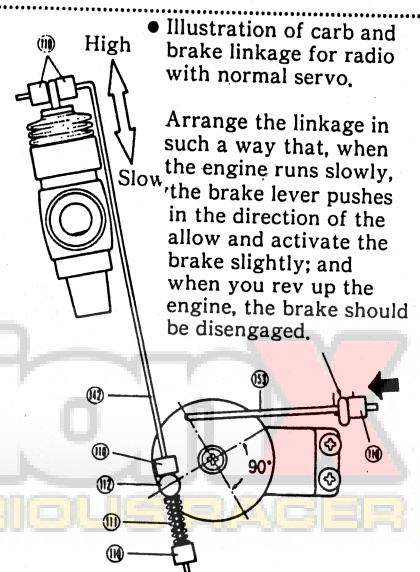
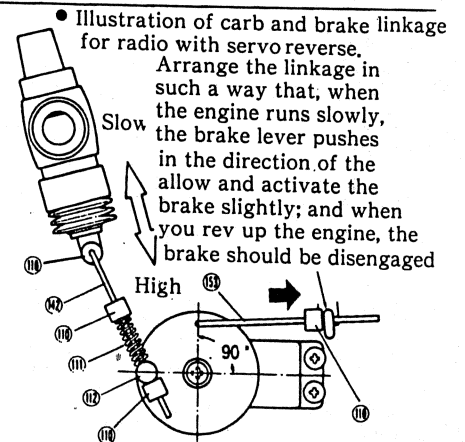


Illustration of carb and brake linkage for radio with servo reverse.

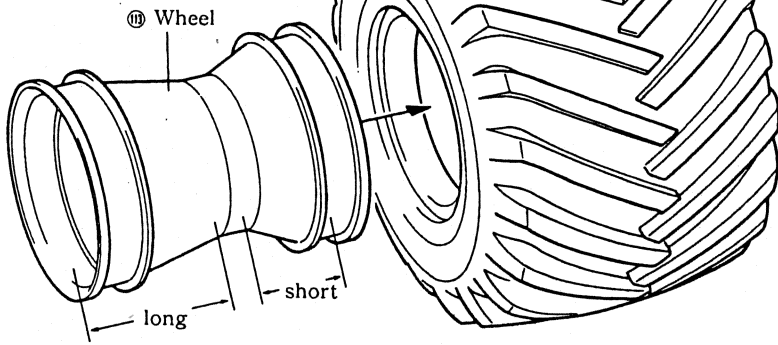


* For smoothly to operate the linkage, bend the engine control rod (⑩).



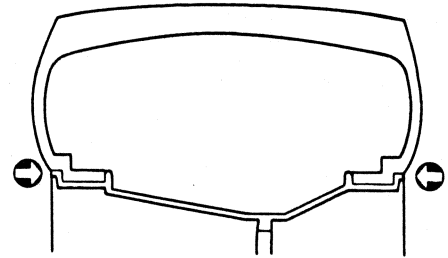
* RIGHT *

Make 2 pieces.



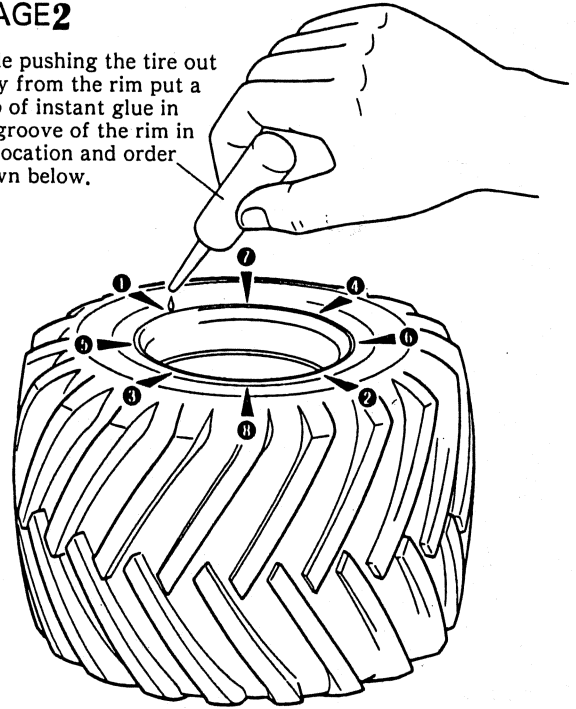
thoroughly with clean water.)

Fit the tire into the groove.



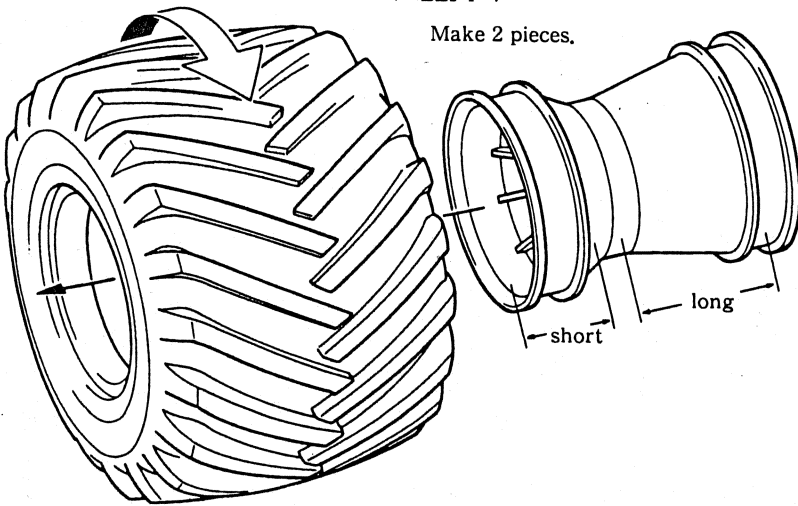
STAGE 2

While pushing the tire out away from the rim put a drop of instant glue in the groove of the rim in the location and order shown below.



* LEFT *

Make 2 pieces.



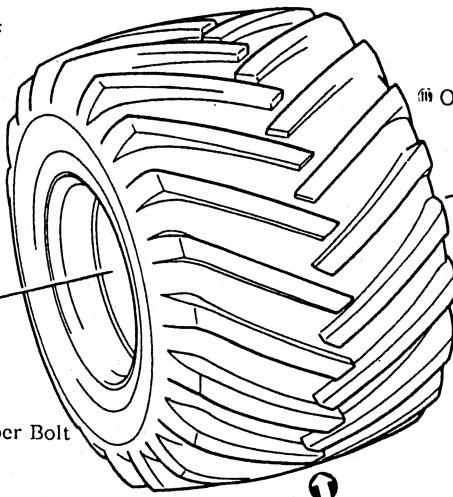
20 INSTALLATION OF TIRE These parts are in the bag (US-2, 9).

* RIGHT *

« Front »

⊕ ϕ 8x16 Aluminum Washer

⊕ Wheel Stopper Bolt



Be careful about the direction of tire.

⊕ Wheel Stopper Bolt

⊕ ϕ 8x16 Aluminum Washer

⊕ Wheel Stopper

⊕ O Ring (L)

* Fit a dent of wheel stopper with the shaft. And then push in.

* Install the left side same as the right.

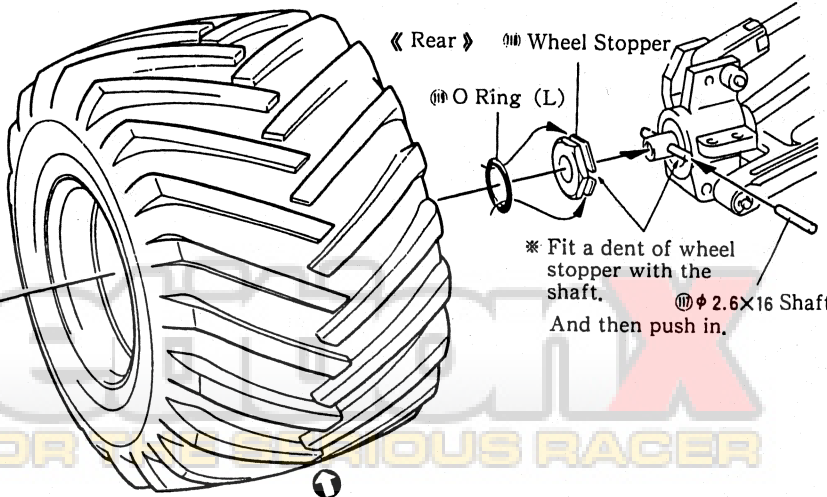
* RIGHT *

« Rear »

⊕ O Ring (L)

* Fit a dent of wheel stopper with the shaft. And then push in.

⊕ ϕ 2.6x16 Shaft



• Use a rubber-based glue to the wheel bolts. After the glue has dried, tighten them.

Trim the rough edges with a sander.

Holes for Carburetor (φ 3mm)

* As Shown below.

Holes for Front Shock (φ 3mm)

Top

53mm

Hole for through Antenna Pipe (φ 6mm)

Holes for Door Mirror

φ 2mm

φ 3mm

Inside of the bed.

Holes for Body Mount (4pcs, φ 6mm.)

54mm

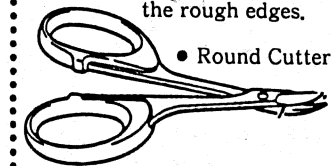
Center

54mm

Holes for Rear Shock (φ 3mm)

KYOSHO No 1829

These special Laxan Scissors make trimming bodies a breeze and the sander comes in handy for finishing the rough edges.



• Round Cutter



• Sander

22 PAINTING

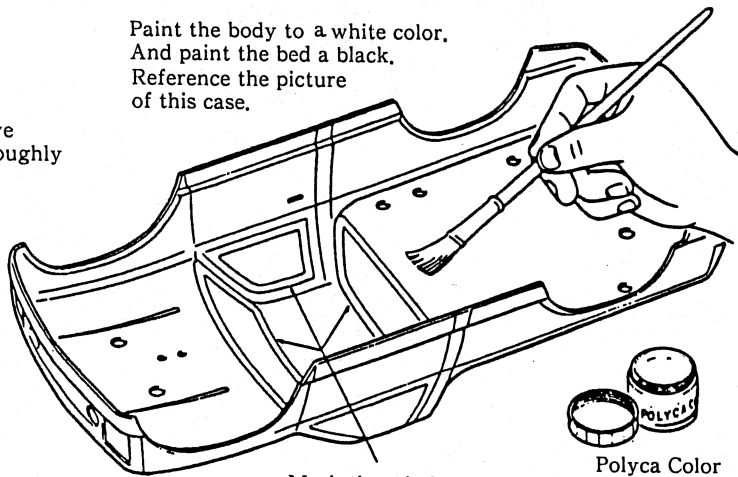
Paint the body to a white color. And paint the bed a black. Reference the picture of this case.

First wash the body to remove any oil or dirt and rinse thoroughly with clean water.

Paint the inside of body.

You can obtain a color scheme by masking a portion with tape then removing the tape and painting.

Apply the lightest color last.



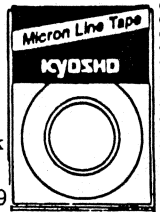
Mask the windows from the inside with the Micron Line Tape.



Polyca Color Paint (Kyosho)

KYOSHO No 1841~3

- No. 1841 ... 1mm
- No. 1842 ... 1.5mm
- No. 1843 ... 2.5mm
- Color: White, Red, Yellow, Green, Blue and Black
- For border ... Black
- 0.4mm ... No.1859
- 0.7mm ... No.1860



KYOSHO No 2230

- White, Red, Yellow, Blue, Skyblue, Green, Orange, Black, Violet, F. Orange, F. Pink, Yellow Green and Calsonic Blue



23 INSTALLATION OF CARBURETOR

These Parts are in the bag (US-2, 9).

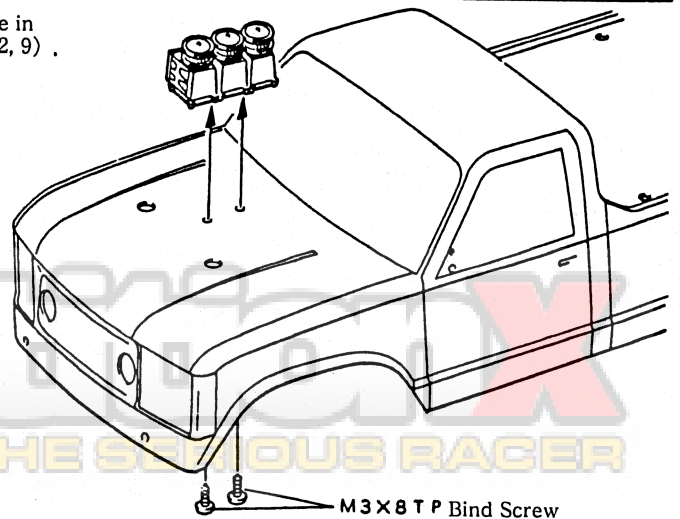
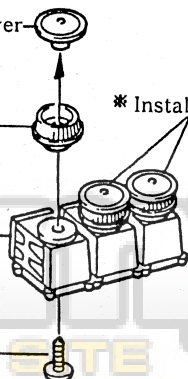
⑩ Dummy Air Cleaner Cover

⑪ Dummy Air Cleaner

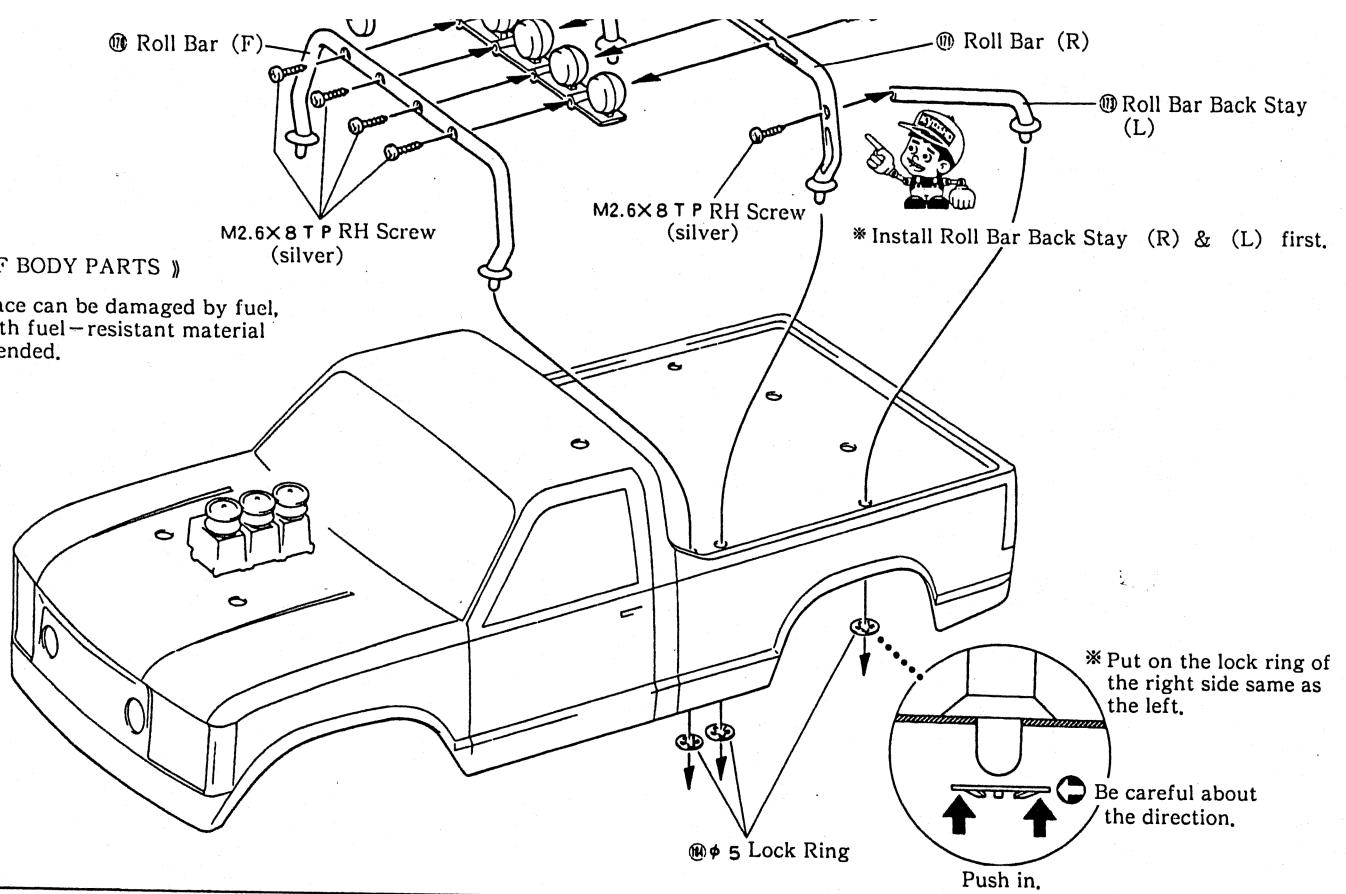
⑫ Dummy Carburetor

M3x8 TP Bind Screw

* Install in the same way.

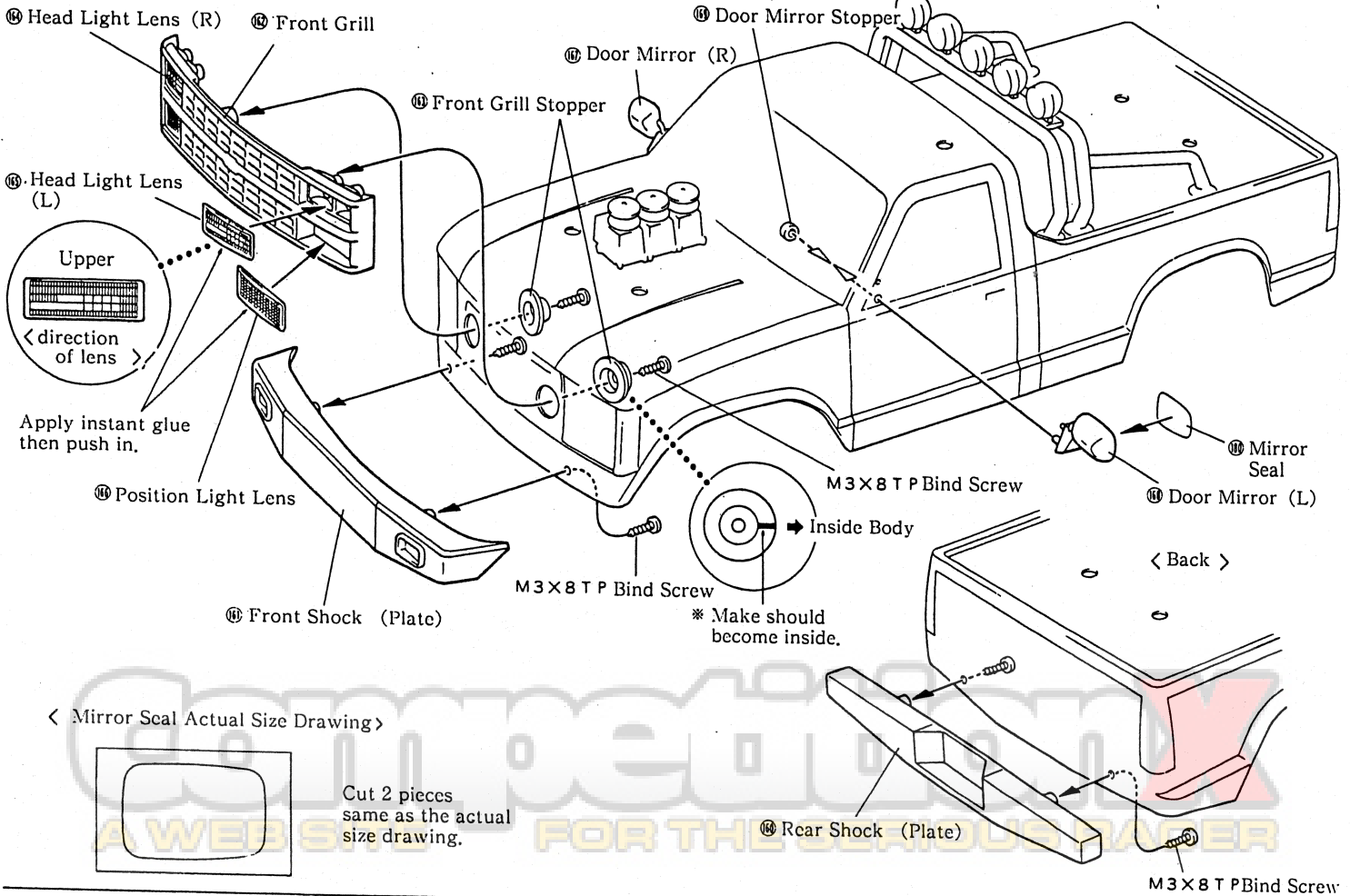


M3x8 TP Bind Screw



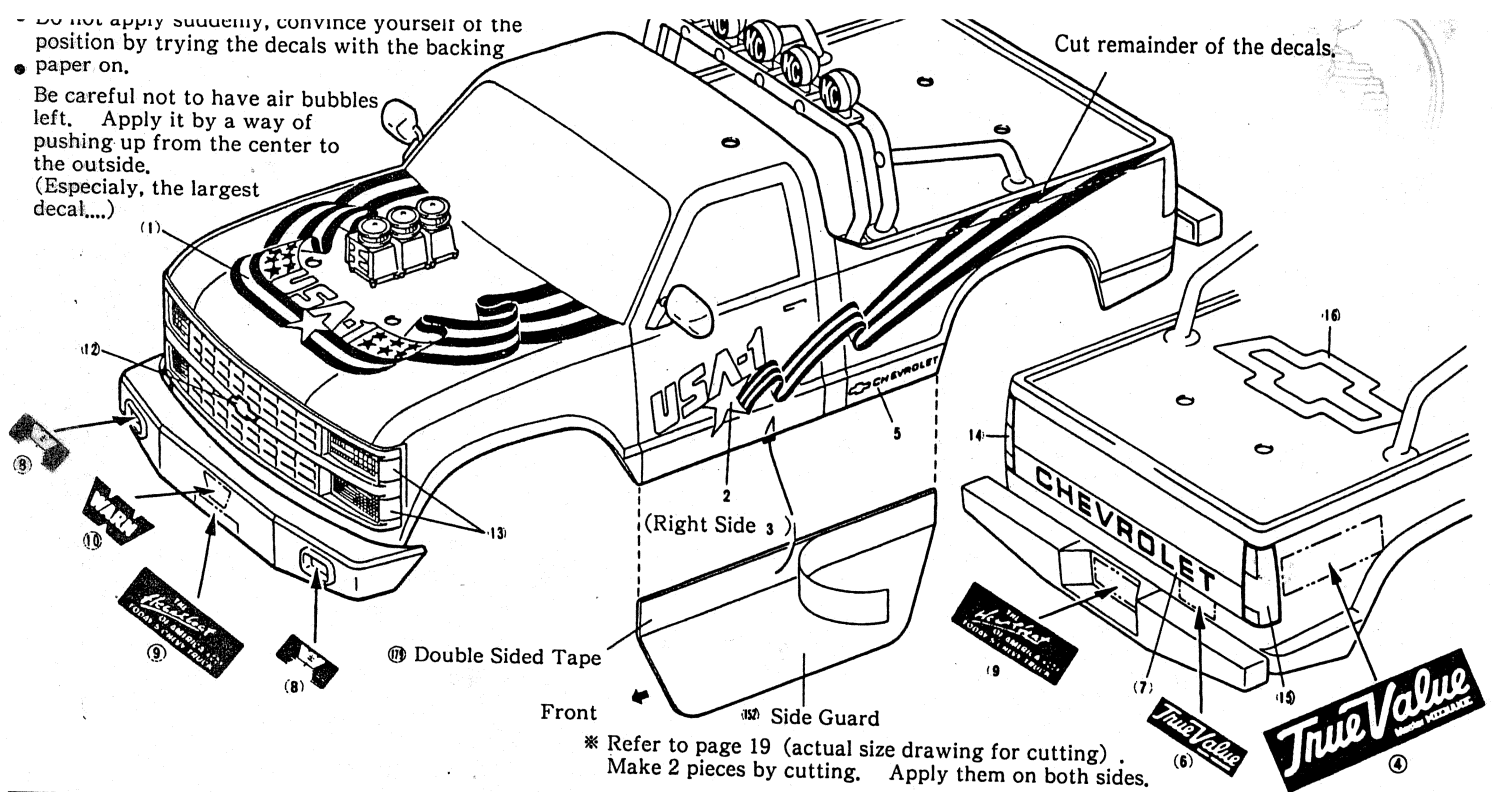
25 INSTALLATION OF ACCESSORIES PARTS

These parts are in the bag (US-2, 9) .



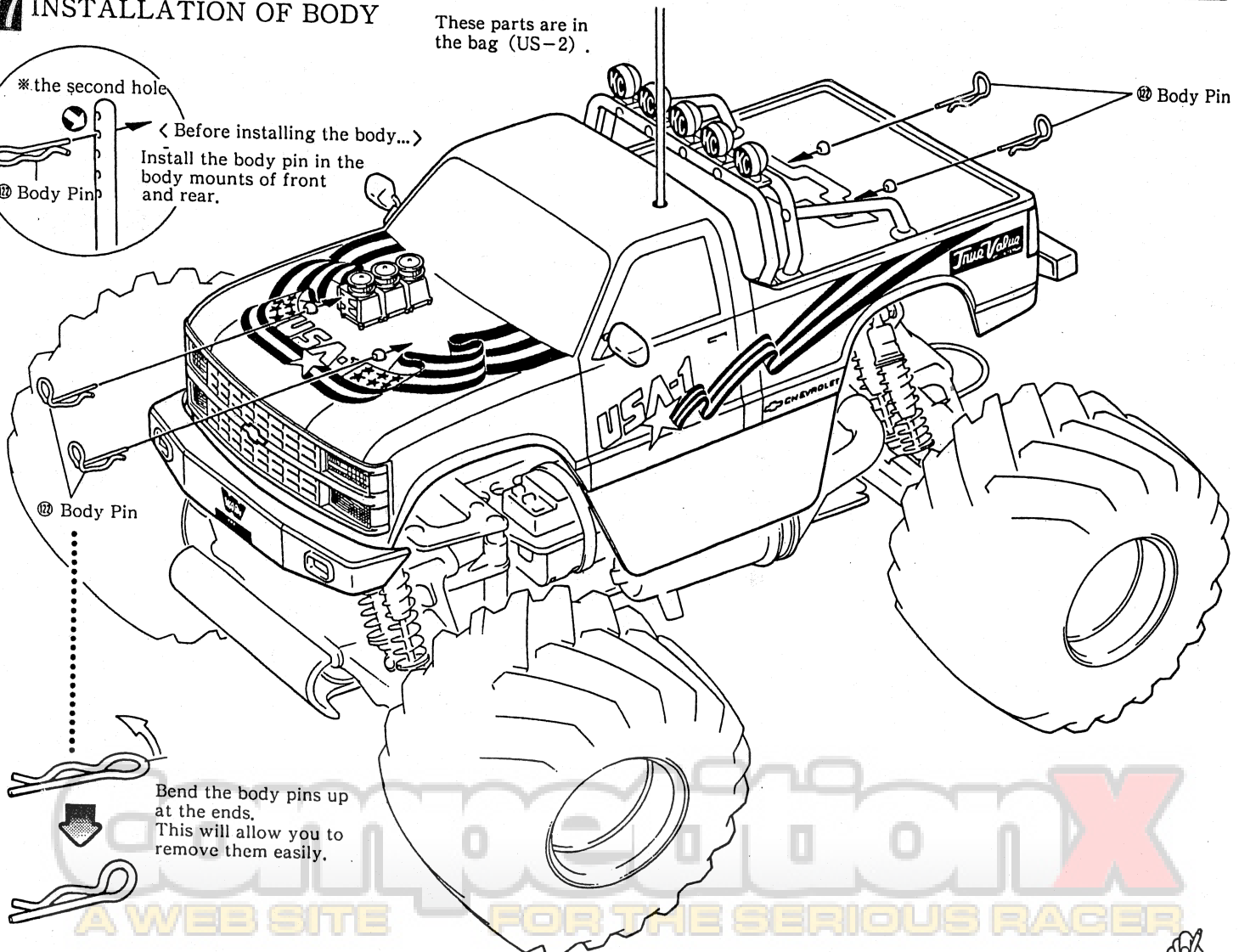
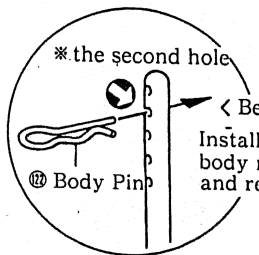
Do not apply suddenly, convince yourself of the position by trying the decals with the backing paper on.

Be careful not to have air bubbles left. Apply it by a way of pushing up from the center to the outside. (Especially, the largest decal....)



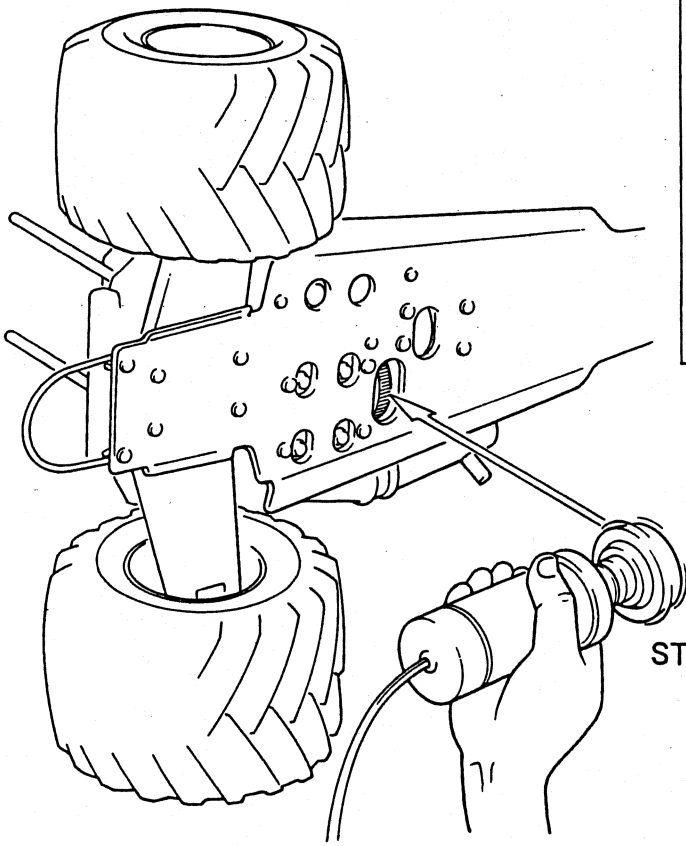
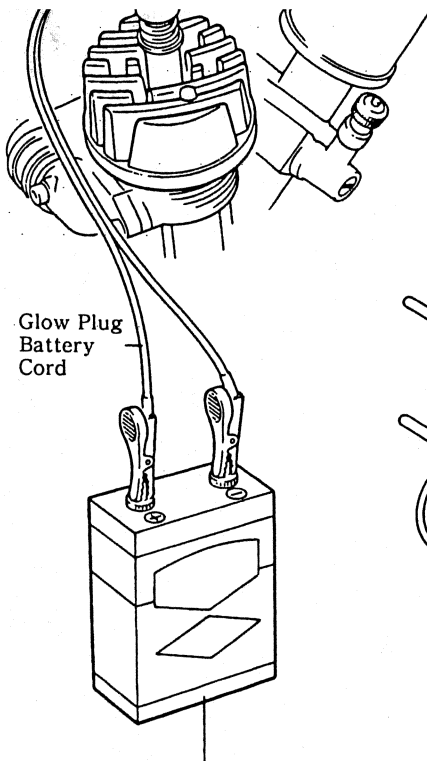
27 INSTALLATION OF BODY

These parts are in the bag (US-2) .



Operation X
A WEB SITE FOR THE SERIOUS RAGER





It is equipped with a high power 12 volt DC motor. It powers your model with fast rotation and high torque. It will start all models such as racing and buggy cars, air planes, helicopters and boats mounted with small to large sized engines.

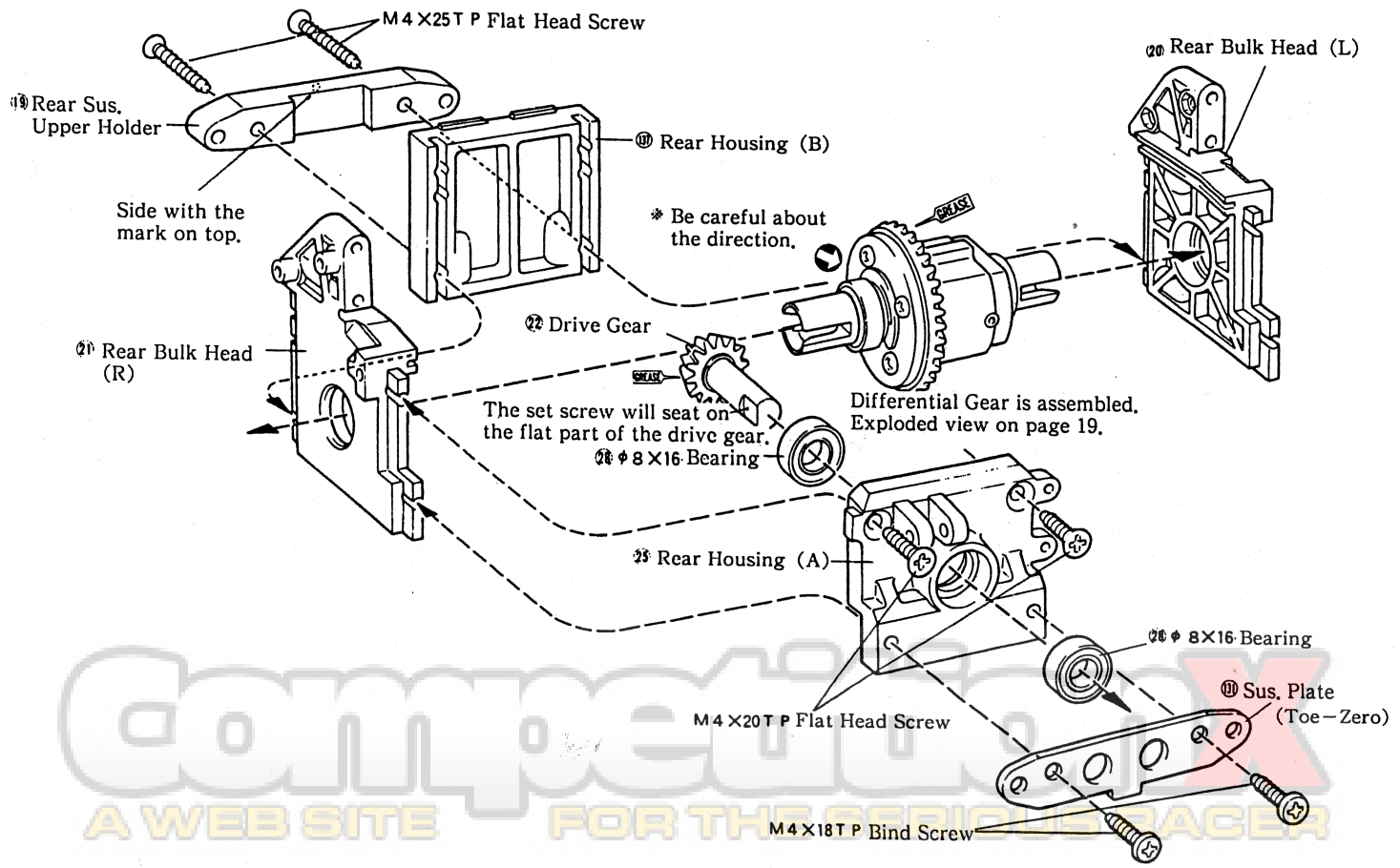
No. BZ-1

No. 1791

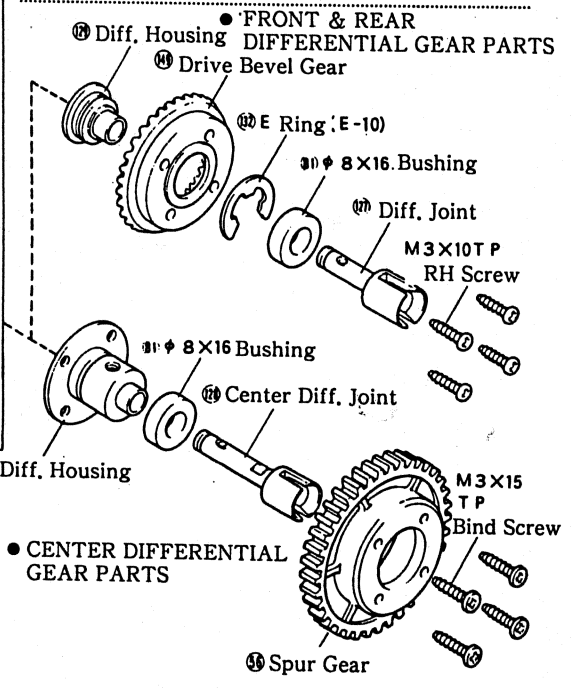
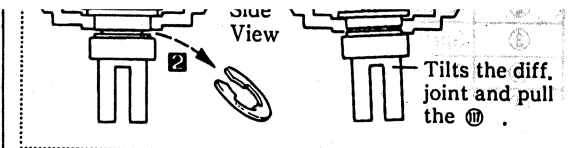
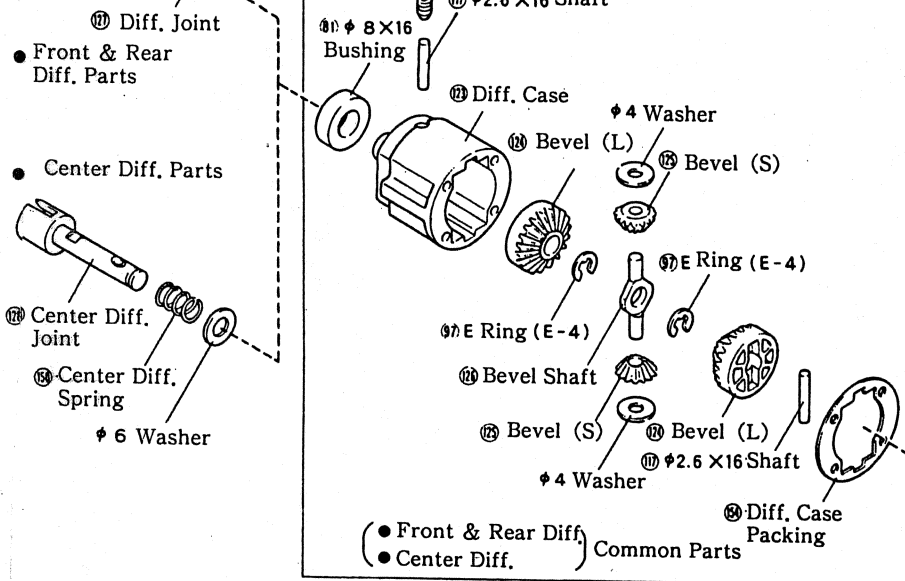
STAGE 2

Spin the flywheel with the starter.

● EXPLODED VIEW OF REAR GEAR BOX

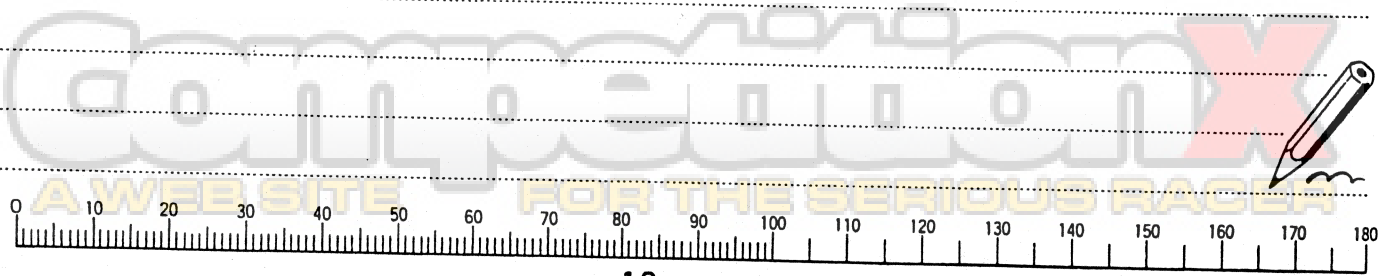
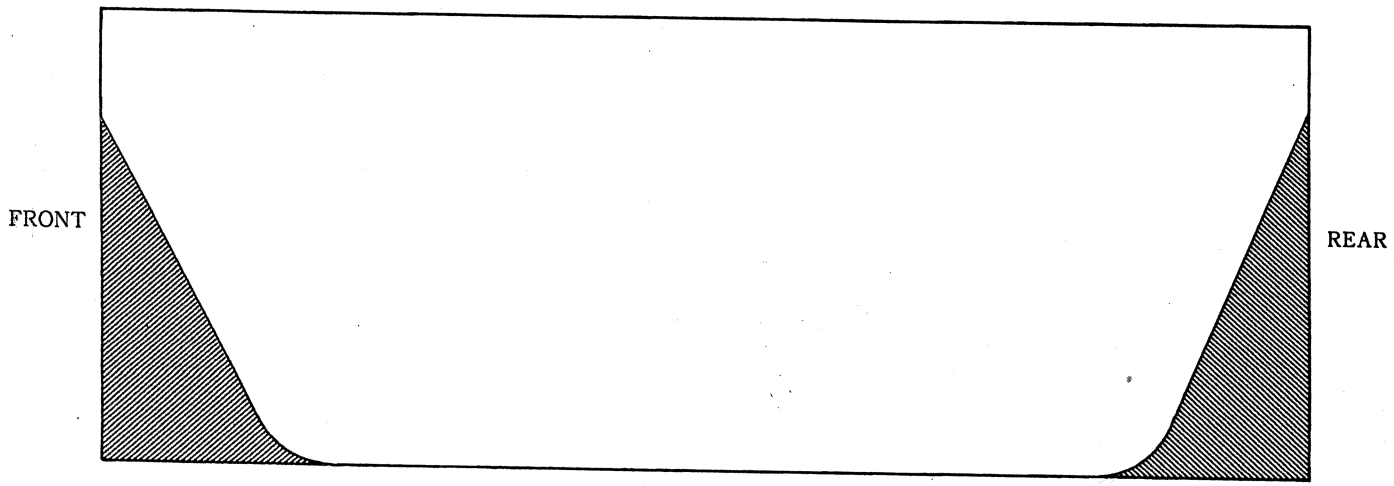


COMPETITIVE
A WEB SITE FOR THE SERIES RACER



● SIDE GUARD ACTUAL SIZE DRAWING FOR CUTTING

Cut off the shaded area.



3	Spring Holder	8	66	(B)	1	78	Differential Housing	2
4	Spring Adjuster	8	67	Front Gear Cover	1	79	Center Diff. Housing	1
5	Shock Ring	8	68	Servo Saver Spring	1	80	Sus. Plate (Toe-zero)	1
6	Shock Spring (gold)	8	69	Servo Saver Horn (A)	1	81	E Ring (E-10)	2
7	Shock Case	8	70	(B)	1	82	Front Sus. Upper Holder	1
8	Shock End	8	71	(C)	1	83	Strap (M)	3
9	Pressure Top	8	72	E Ring (E-7)	2	84	Rear Shock	1
10	Shock Cap	8	73	Tie Rod (A)	3	85	Servo Spacer	2
11	Shock Shaft	8	74	(B)	1	86	Rear Housing (B)	1
12	Shock Pivot No 1	1	75	φ 6 Aluminum Collar	2	87	Front Suspension Arm	2
13	" No 2	1	76	Antenna Pipe	1	88	Silicone Grease	1
14	" No 3	1	77	Radio Plate	1	89	Screw Locking Compound	1
15	" No 4	1	78	Switch Boot	1	90	Rear Hub (L)	1
16	Front Body Mount	2	79	Servo Fixing Post	4	91	Engine Control Rod	1
17	Rear	2	80	Strap (L)	1	92	Main Chassis	1
18	Rear Suspension Holder	1	81	φ 8 X16 Bushing	16	93	Upper Suspension (C)	2
19	Rear Sus. Upper Holer	1	82	Center Shaft	2	94	Decal	1
20	Rear Bulk Head (L)	1	83	Mount Plate	2	95	Air Cleaner	1 set
21	" (R)	1	84	Torque Rod Pivot	1	96	φ 4 X64 Shaft	2
22	Drive Gear	2	85	Fuel Tank Pivot	1	97	φ 38 Muffler Baffle	1
23	Joint	2	86	Bumper	1	98	Drive Bevel Gear	2
24	Suspension Plate	1	87	Manifold	1	99	Center Diff. Spring	1
25	Rear Housing (A)	1	88	Engine Mount	2	100	Radio Cover	1
26	Rear Suspension Arm	2	89	Flywheel	1	101	Side Guard	2
27	Rear Hub (R)	1	90	Clutch Pin	2	102	Brake Rod	1
28	φ 8 X16 Bearing	2	91	Pilot Shaft	1	103	Diff. Case Packing	3
29	Upper Suspension (A)	2	92	Clutch Shoe	2	104	φ 5 X10 Bearing	2
30	" (B)	4	93	Clutch Spring	1	105	φ 5 X10 Collar	1
31	M5 X35 Shaft	4	94	Clutch Bearing Case	1	106	Counter Gear	1
32	Rear Wheel Shaft	2	95	Clutch Roller	8	107	Counter Gear Mount	1
33	Swing Shaft	2	96	Clutch Bell (13T)	1	108	Counter Gear Shaft	1
34	Rear Shock Stay	1	97	E Ring (E-4)	1	109	Rear Bumper (Plate)	1
35	φ 3 X27 Shaft	4	98	Muffler (A)	1	110	Front Bumper (Plate)	1
36	φ 3 X44	8	99	(B)	1	111	Front Grill	1
37	φ 4 X77	2	100	Servo Fixing Stay (A)	1	112	Front Grill Stopper	2
38	E Ring (E-3)	9	101	(B)	1	113	Headlight Lens (R)	1
39	φ 3 Stopper	4	102	Tank Cap	1	114	" (L)	1
40	Rear Gear Cover	1	103	Tank Seal	1	115	Position Light Lens	2
41	Shock Bush	8	104	Fuel Tank	1	116	Door Mirror (R)	1
42	φ 6.8 Ball	7	105	Aluminum Pipe	1	117	" (L)	1
43	φ 6.8 Ball End	8	106	Rubber Bush	1	118	Door Mirror Stopper	2
44	φ 8 Aluminum Collar	2	107	Tube	1	119	Roll Bar (F)	1
45	Front Housing (A)	1	108	Plate Joint	1	120	" (R)	1
46	" (B)	1	109	Steering Rod	1	121	Roll Bar Back Stay (R)	1
47	Front Bulk Head (R)	1	110	φ 2 Stopper	5	122	" (L)	1
48	" (L)	1	111	Engine Control Spring	1	123	Fog Light Cover	5
49	Front Shock Stay	1	112	Linkage Guide (B)	1	124	Fog Light	1
50	Knuckle Arm (R)	1	113	Wheel	4	125	Dummy Air Cleaner Cover	3
51	" (L)	1	114	Tire	4	126	Dummy Air Cleaner	3
52	Hub Carrier (R)	1	115	Brake Lining	2	127	Carburetor	1
53	" (L)	1	116	Universal Joint	2	128	Double Sided Tape	1
54	King Pin	4	117	φ 2.6 X16 Shaft	4	129	Mirror Seal	1
55	M3 Pivot Ball	8	118	Wheel Stopper	4	130	Shock Oil	2
56	Spur Gear	1	119	O Ring (L)	4			
57	Center Diff. Housing (A)	1	120	Wheel Stopper Bolt	4	131	φ 8 X16 Washer (Alumi.)	4
58	" (B)	1	121	Body	1	132	φ 5 Lock Ring	6
59	Disk Brake	1	122	Body Pin	8			
60	Brake Pads	2	123	Differential Case	3			
61	Brake Cam	1	124	Bevel (L)	6			
62	Brake Stopper	1	125	" (S)	6			
63	Brake Lever	1	126	Bevel Shaft	3			

⑧ Shock End 8



6 ASSEMBLY OF REAR GEAR BOX

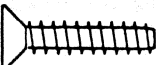
M4X15TP Bind Screw...4



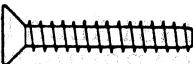
M3X18 Cap Screw...4



M4X20TP Flat Head Screw...2



M4X25TP Flat Head Screw...2



M3 Flange Nut...4



② E Ring (E-2.5)...4



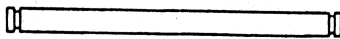
M5X4 Set Screw...1



① M5X35 Shaft...2



③ 3X44 Shaft...2



4 INSTALLATION OF REAR SUSPENSION ARM

M3X10TP Bind Screw...4



M3X3 Set Screw...2



M4X12 Set Screw...2



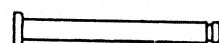
② E Ring (E-2.5)...4



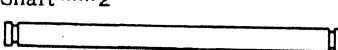
③ E Ring (E-3)...4



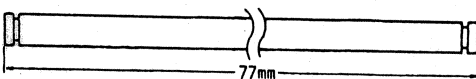
⑤ 3X27 Shaft...2



⑥ 3X44 Shaft...2

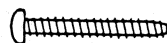


⑦ 4X77 Shaft...2



5 INSTALLATION OF REAR SHOCK

M2.6X18TP Round Head Screw...4



M3X15 Bind Screw...1



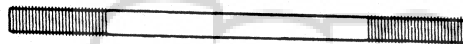
M3 Nylon Nut...4



③ M3 Pivot Ball (silver)...4



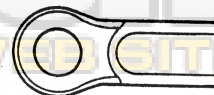
⑦ Tie Rod (A)...1



④ Shock Bush...4



③ 6.8 Ball End...2



Bind Screw

M3X18 Cap Screw...4



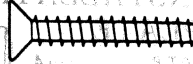
M3X18 Round Head Screw...2



M4X20TP Flat Head Screw...2



M4X25TP Flat Head Screw...2



M5X4 Set Screw...1



M3 Flange Nut...6



7 INSTALLATION OF FRONT SUSPENSION ARM

M3X10TP Bind Screw...4



M3X3 Set Screw...2



M4X12 Set Screw...2



② E Ring (E-2.5)...8



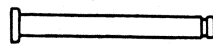
③ E Ring (E-3)...4



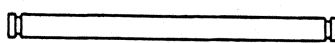
① M5X35 Shaft...2



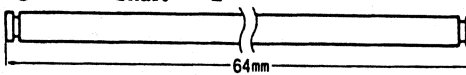
③ 3X27 Shaft...2



⑥ 3X44 Shaft...4



⑩ 4X64 Shaft...2

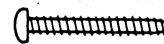


8 INSTALLATION OF FRONT SHOCK

M2.6X16TP Round Head Screw...2



M2.6X18TP Round Head Screw...2



M3 Nylon Nut...4



③ M3 Pivot Ball (silver)...4

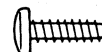


④ Shock Bush...4

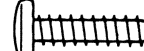


9 INSTALLATION OF BRAKE & COUNTER GEAR

M3X10TP Bind Screw...2



M4X15TP Bind Screw...4



M4X8 Bind Screw...3



M3X18 Cap Screw...2



M3X3 Set Screw...1



M5 Flange Nut...1



φ 5X10 Washer...1



φ 5X12 Washer...2



φ 5X10 Collar...1



11 ASSEMBLY OF STEERING PORTION

M3X25 Bind Screw...2



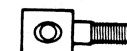
M4X8 Bind Screw...2



M3 Nylon Nut...3



④ Linkage Guide (A)...1



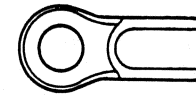
φ 3 Washer...4



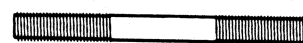
φ 6 Aluminum Collar...2



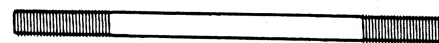
φ 6.8 Ball End...6



⑦ Tie Rod (B)...1

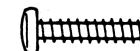


⑦ Tie Rod (A)...2

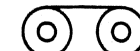


12 INSTALLATION OF RADIO SYSTEM

M3X15TP Bind Screw...4



⑦ Servo Fixing Post...2



13 INSTALLATION OF REAR ASSEMBLY

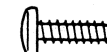
M3X10 Bind Screw...1



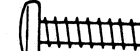
M4X10 Bind Screw...2



M3X10TP Bind Screw...1



M4X15TP Bind Screw...4



M4 Flange Nut...2



14 INSTALLATION OF FRONT ASSEMBLY

M3X12 Flat Head Screw...2



M4X20TP Flat Head Screw...2



M4X15TP Bind Screw...2



- M3 X25 Cap Screw... 1
- φ 5 X10 Washer 1
- φ 6 X18 Washer..... 1
- Ⓜ E Ring (E-3) 1

16 INSTALLATION OF ENGINE & ENGINE CONTROL SERVO.

- M3X10T P. Bind Screw ... 2
- M3X15T P Bind Screw ... 6
- M3 X15. Bind Screw ... 1
- M4 X 8 Bind Screw ... 4
- M4X10 Flange Cap Screw ... 4

- Ⓜ Aluminum Pipe
- In case of large servo.
- Ⓜ Servo Spacer 2

17 INSTALLATION OF RADIO PLATE

- M3X10T P Bind Screw ... 4
- M4X15T P Bind Screw ... 2
- M4 X15. Bind Screw ... 2
- M3 X 3 Set Screw 1
- Ⓜ φ 8 Aluminum Collar 2
- Ⓜ Steering Rod ... 1

18 LINKAGE OF ENGINE CONTROL

- M3 X 3 Set Screw ... 5
- M2 Nut 1

- Ⓜ Brake Rod 1
- Ⓜ φ 8 X16 Washer... 4 (Aluminum)
- Ⓜ φ 2.6X16 Shaft ... 4
- Ⓜ O Ring (L)..... 4

23 INSTALLATION OF CARBURETOR

- M3X8T P Bind Screw ... 5

24 ASSEMBLY OF ROLL BAR

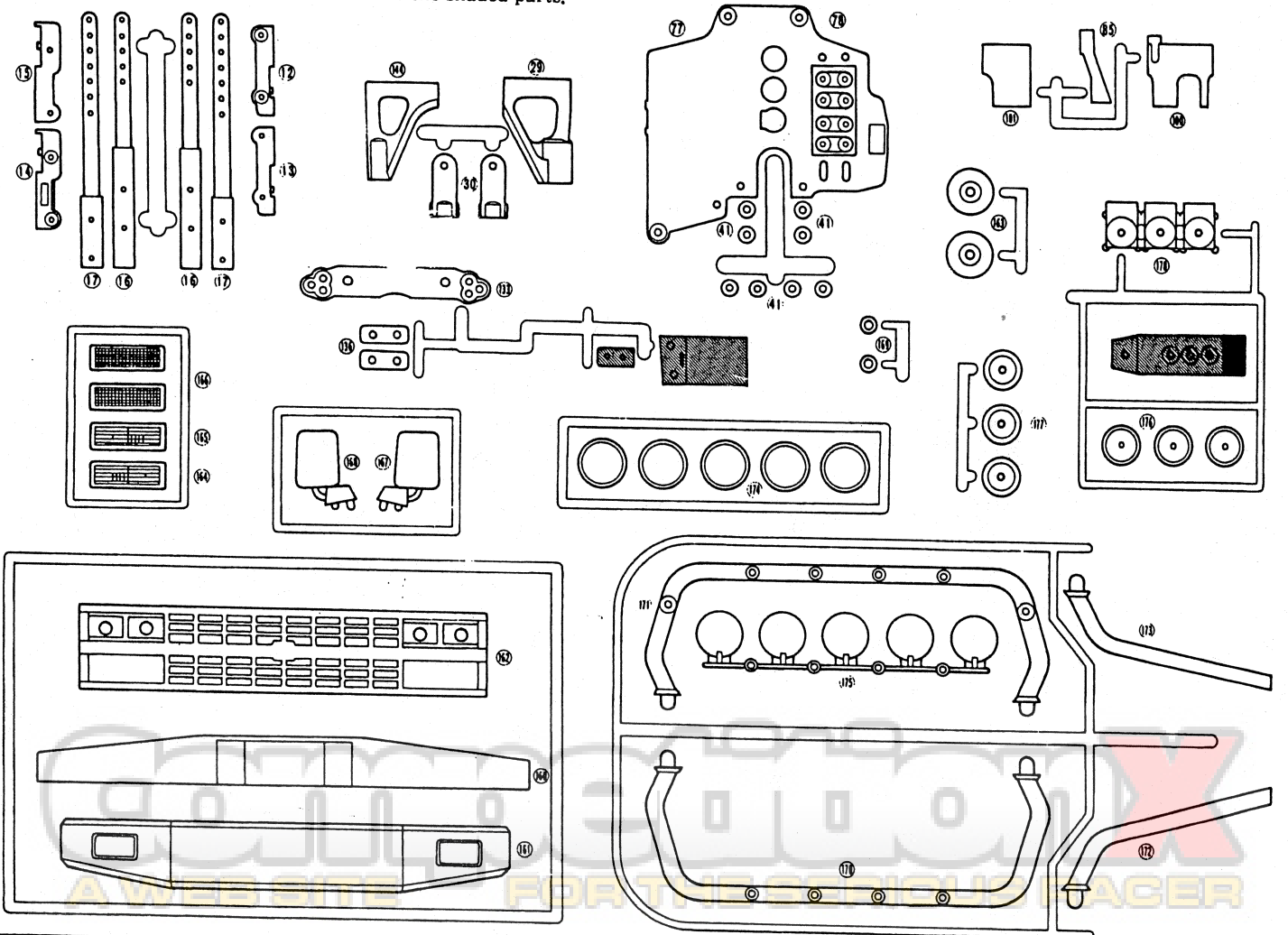
- M2.6X8T P (silver) Round Head Screw ... 10

25 INSTALLATION OF ACCESSORIES PARTS

- M3X8T P Bind Screw ... 6
- Ⓜ Door Mirror Stopper ... 2

DRAWING OF PLASTIC PARTS WITH RUNNERS

* Do not use the shaded parts.



Check the parts you need, and the key number for that part within the manual.

No.	Parts Name	Key # & Q'ty
BS-3	Sus. Holder Set	10 11 37 38 39 40 41 42
BS-4	Rear Bulk Head	20 21 25 26 X1
BS-5	Front Bulk Head	43 44 47 48 X1
BS-6	Lower Sus. Arm Set	26 27 X2
BS-7	Upper Sus. Arm Set	28 29 X2 30 X4
BS-8	Front Hub Carrier	32 33 X1
BS-9	Rear Hub Carrier	27 28 X1
BS-10	Front Shock	66 X1
BS-12	Radio Plate	77 X1 41 79 X4
BS-13	Shaft Set	35 36 X8 37 38 X2
BS-14	Drive Bevel Gear Set	22 23 X1
BS-16	φ 8x16 Bearing	28 X2
BS-17	Rear Wheel Shaft	32 X2
BS-18	Gear Cover	40 37 X1
BS-21	Brake Set	39 40 42 43 44 X1 45 46 X2
BS-22	Servo Saver Set	66 68 69 70 71 X1 65 X2 72 X4
BS-23	Tie Rod Set	74 X1 75 X2 42 43 X6
BS-25	Engine Mount	35 36 X2
BS-26	Manifold	37 X1
BS-27	Muffler	38 39 40 X1 41 X2
BS-28	Fuel Tank Set	42 43 44 45 46 47 X1
BS-33	Wheel Stopper Set	48 49 50 X4
BS-35	Diff. Case	51 X1 52 X1
BS-36	Diff. Bevel (L)	53 X2
BS-37	• (S)	54 X2
BS-38	Bevel Shaft	55 X2
BS-39	Diff. Joint	56 X2
BS-40	Center Diff. Joint	57 X2
BS-41	Diff. Housing	58 X1
BS-42	Center Diff. Housing	59 60 X1
BS-43	Linkage Set	61 62 63 64 65 X1 66 X6
BS-44	Flywheel	67 X1 68 X2
BS-45	Swing Shaft	69 X2
BS-46	φ 6.8 Ball	42 X10
BS-47	E Ring (E-10)	70 X10
BS-50	Aluminum Collar Set	44 X1 43 45 X2
BS-51	Main Chassis	71 X1
BS-52	φ 2.6x16 Shaft	72 X10
BS-55	Wheel Stopper Bolt	73 74 X6
BS-20	Universal Joint	75 X2
BS-76	Cut Knuckle Arm	50 51 X1
BS-77	φ 8x16 Bushing	81 X2
BS-78	Radio Cover	76 X1
BS-79	Switch Boot	78 X3
BS-80	Shock Stay (USA-1)	24 34 49 50 X1 GP
BS-81	Rear Bumper (")	79 X1 GP
BS-82	Body (USA-1)	80 X1 GP
BS-83	Tire (USA-1)	82 X2 GP Hard Type
BS-84	Counter Gear Set	56 57 58 X1
BS-85	Counter Gear Shaft	59 X1
BS-86	Counter Gear Mount	60 X1
BS-87	Wheel (USA-1)	83 X2 GP
BS-88	Screw Set (USA-1)	1 set GP

No.	Parts Name	Key # & Q'ty
BSW-49	Toe-Zero Rear Plate	84 X1
FM-29	Body Pin	85 X10
FM-73	Pilot Shaft	86 X1
FM-185	Joint	87 X2
KC-7	King Pin	88 X4
KC-18	φ 3 Stopper	89 X10
KC-20	E Ring (E-4)	90 X4
KC-45	Special Clutch Shoe	91 X1 92 X2
LD-70	Clutch Bearing	93 X1 94 X8
SD-54	Clutch Bell (13T)	95 X1
SD-79	Antenna Pipe	76 X5
OT-31	M3 Pivot Ball	96 X10
OT-38	Silicone Grease	97 X2
OT-39	E Ring (E-2.5)	(2) X10
EF-38	Strap	98 X6
EF-39	NiCd Strap	99 X6
CB-72	E Ring (E-3)	30 X4
CB-110	Air Cleaner	100 X1
CB-151	Center Shaft	101 X2
FD-38	Black Shock (L)	(1)(3)(4)(5)(6)(7)(8)(9)(10)(11) X2 (2) X4
TB-51	Body Mount	112 113 114 115 X1 116 117 X2
UM-84	Side Guard	102 X2
DA-19	Carburetor Set	103 104 X3 105 X1
DA-30	Accessories Set	106 107 108 109 110 X1 111 112 X2
DA-31	Roll Bar Set	113 114 115 116 X1 117 X5
DA-35	Decal (USA-1)	118 119 X1
1840	Double Sided Tape	120 X1
1878	ScrewLockingCompound	121 X2
1901	Ball Bearing (5x10)	122 X2

Optional Spare Parts

No.	Parts Name	Key # & Q'ty
FM-75	Clutch Bearing	Full Ball Type
FM-82	Clutch Bell (12T)	
SD-53	• (12T)	
SD-55	• (14T)	
FM-222	• (15T)	
FM-160	Special Engine Mount	17S
BS-20	Universal Joint	75 + 89
BS-65	Fuel Tank	
BSW-1	Drive Bevel (S)	Steel
BSW-2	• (L)	Steel
BSW-3	Special Manifold	OS-ENYA ₁
BSW-22	Flywheel	OS-21EX, OPS
BSW-48	Custom Silencer	
1951	Shock Oil (S • M • H)	x 3
1953	Silicone Oil (S)	Viscosity 100 S C, 200 S C
1954	• (M)	• 300 S C, 400 S C
1955	• (H)	• 500 S C, 600 S C
1956	• (Super Hard)	Diff.
BS-53	Shim Set	φ 4x10, φ 6x18, φ 12x16, φ 8x12
NB-13	Light Set	Light 2 Battery Case

The Super Hobby



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A WEB SITE FOR THE SERIOUS RACER