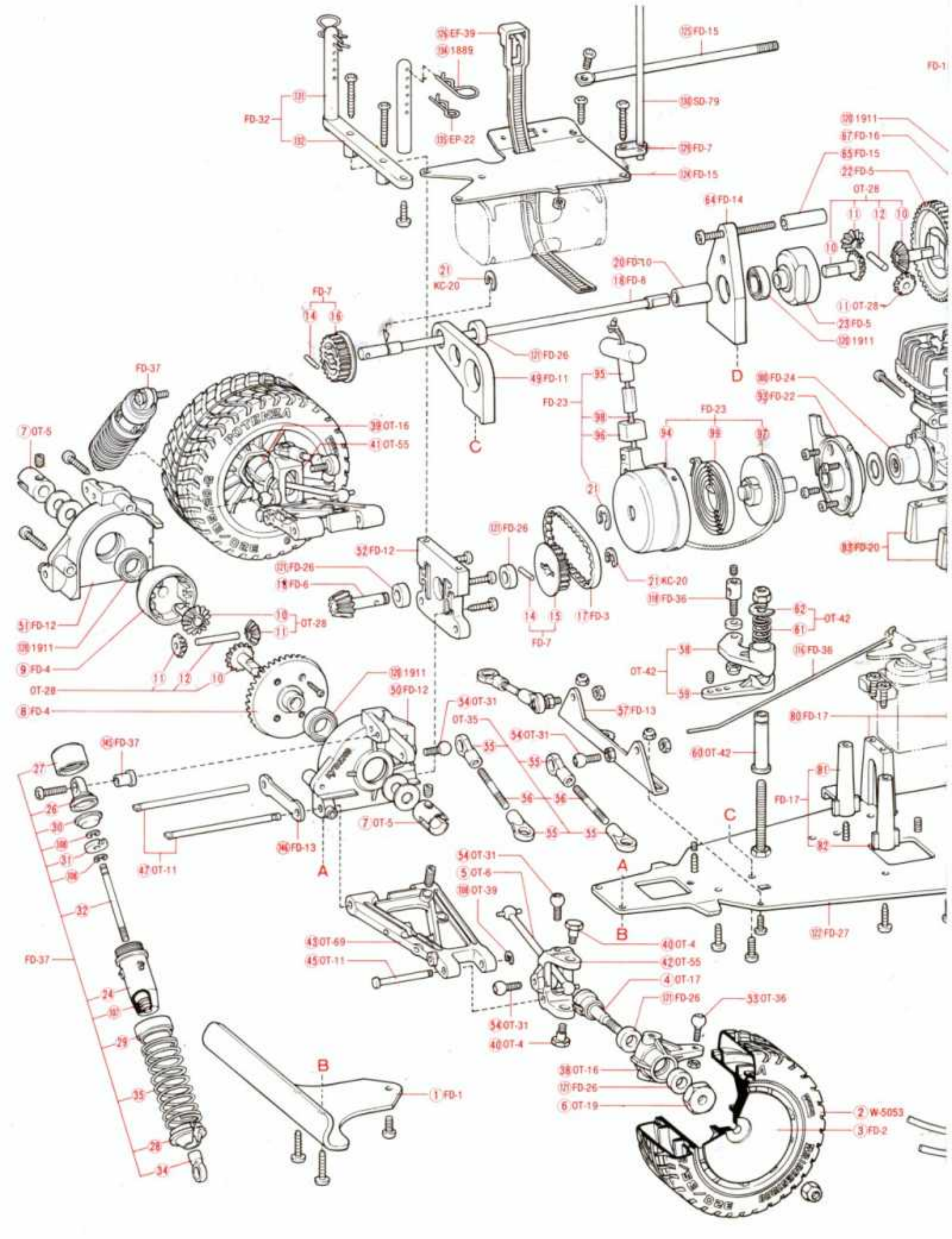
RADIO CONTROLLED 10 ENGINE POWERED 4WD RALLY CAR

FORD RS-200

- EPOCH MAKING GAS ENGINE POWERED CAR, EASY TO HANDLE MORE THAN ELECTRIC CAR.
- SHAFT DRIVE 4WD RALLY CAR, CAPABLE TO GO EITHER ON-ROAD AND OFF-ROAD.
- EQUIPPED WITH OS 10FP-BK ENGINE WITH RECOIL STARTER AS STANDARD.
- DOUBLE WISH BONE FOUR WHEEL INDEPENDENT SUSPENSION SYSTEM WITH NEW OIL SHOCKS.
- SEMI-READY-TO RUN CAR KIT WITH ENGINE AND DRIVE SYSTEM ASSEMBLED IN THE FACTORY.
- KIT INCLUDES SPECIAL MUFFLER, FUEL TANK, PLUG HEATING BOX SIZE OF 4D-SIZE DRY CELLS).
- FUEL AND 2 CH RADIO ARE NOT INCLUDED.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EF-39
1889
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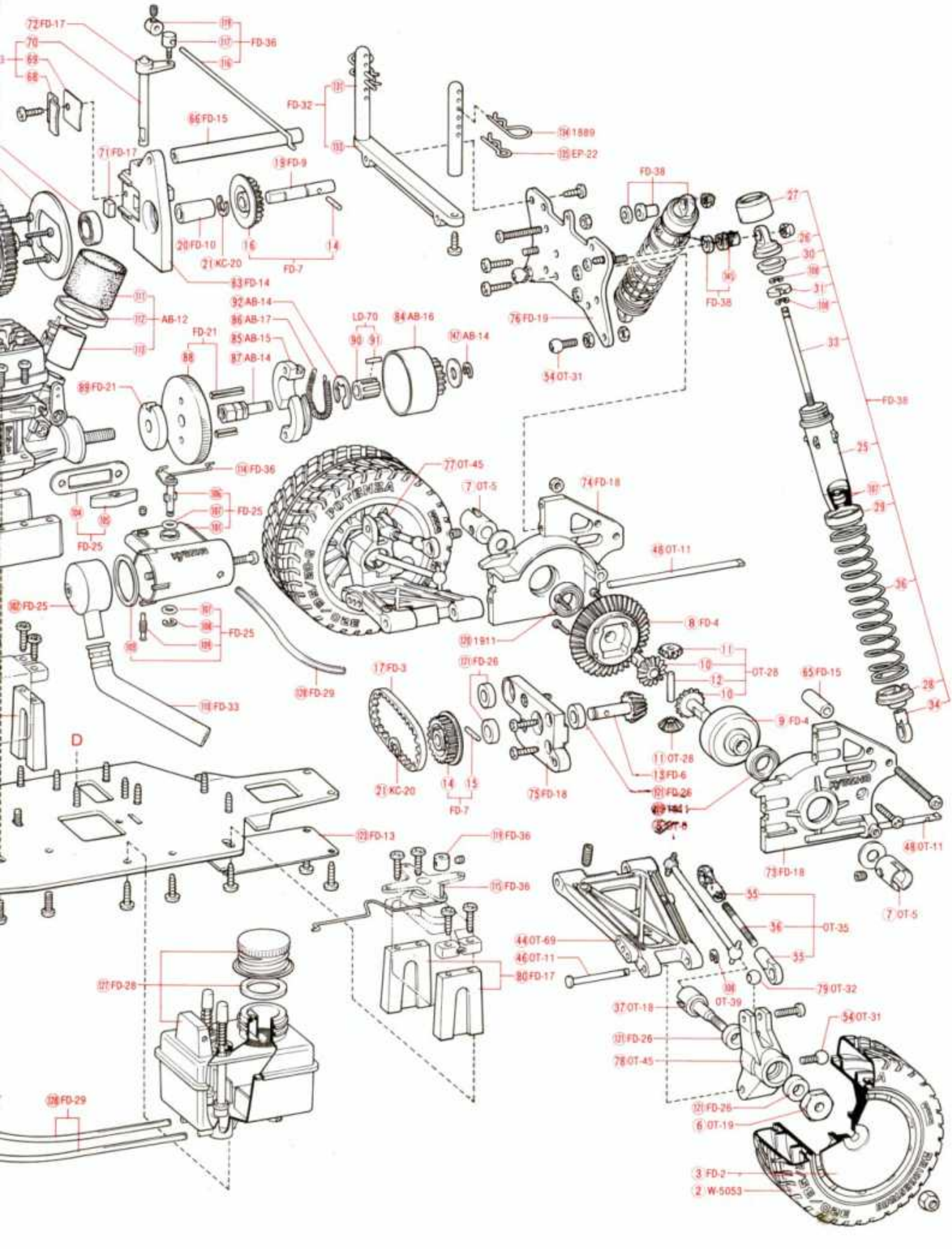
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79 OT-32
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78 OT-45
3 FD-2
2 W-5053
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44 OT-69
46 OT-11
80 FD-17
37 OT-18
OT-39
6 OT-19

BEFORE ASSEMBLY

Instruction

*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.

*Check the parts in the kit.
Check to see if all the parts are correctly bagged as they are listed in the "List of Bagged Parts". Your thorough understanding of the assembly prior to starting will enable you to build the kit without difficulty.

List of bagged parts

Any claims for replacements or refunds for the model in the process of assembly will not be accepted without shortage or inferiority of the parts.

*Learn on the marks described in the instruction.

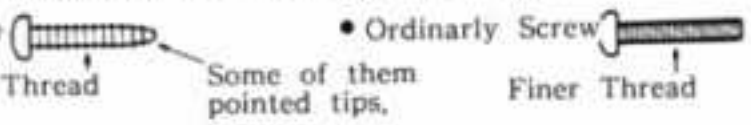
SW CEMENT ··· Places to put some locktite.
(It will prevent the screws and nuts get loosen by vibration while running.)

GREASE ··· The place where grease should be applied.
(It will reduce friction to assure smooth movements.)

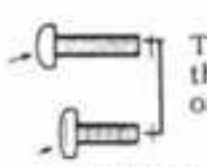
Steps where your particular attention is required.

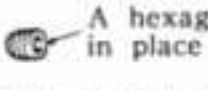
*Be well aware of the different types of screws.

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



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 pasrts, such as screws, nuts, and washers with the attached sheet of "List of Small Parts".

Check up small parts with the list.

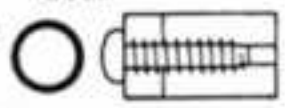
*Be sure about the location and direction of parts to install.

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.

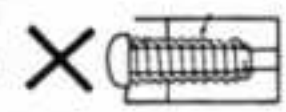
*Do not tighten the TP screw too strong.

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.

Good



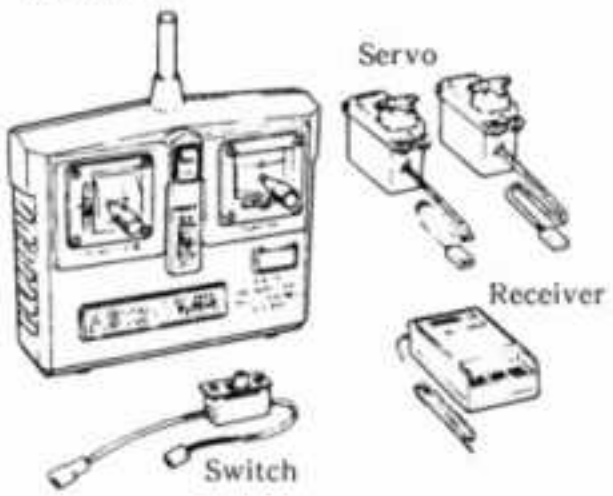
Over tighten may strip the thread in the plastic.



THINGS NEED BESIDES THE KIT

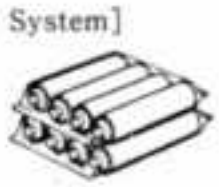
[2 Channel Radio System]

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



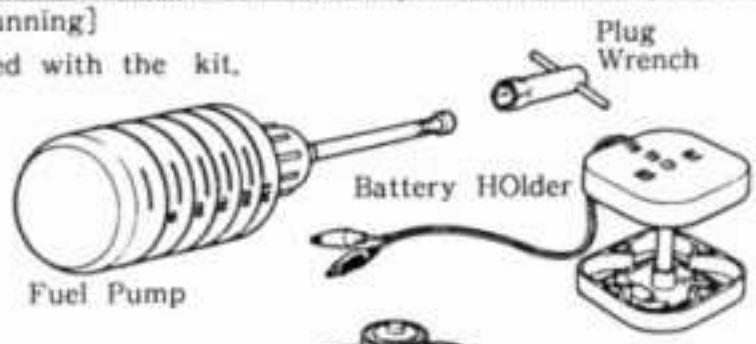
[Battery for Radio System]

AA Size Battery for Transmitter ...8 pcs.



[Articles Required Running]

• Thease are included with the kit.



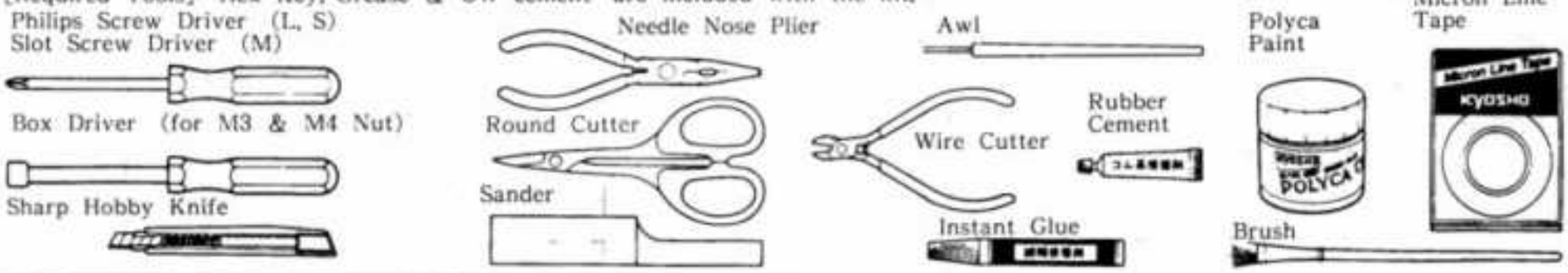
• Thease are not included.

(1) 4 Unit #1 (D-size) Dry cells

(2) Glow Fuel

*Gasoline or kerosene cannot be used.

[Required Tools] Hex Key, Grease & CW cement are included with the kit.



LIST OF BAGGED PARTS "FORD RS-200"

Bag	Key #	Parts Name	Q'ty	Step
Blister	Assembly	Chassis Assembly	1	4
FRS-1 Shock Parts (For Front)	24	Front Shock Case	2	1
	26	Shock Cap	2	2
	27	Shock Ring	2	2
	28	Spring Holder	2	2
	29	Spring Spacer	2	2
	30	Pressure Top	2	2
	31	Shock Piston	2	1
	32	Front Shock Shaft	2	1
	34	Shock End	2	1
	35	Front Shock Spring	2	2
	108	E Ring (E-2,5)	4	1
	139	Shock Oil	1	2
	145	Shock Bush	2	7
FRS-2 Shock Parts (For Rear)	25	Rear Shock Case	2	1
	26	Shock Cap	2	2
	27	Shock Ring	2	2
	28	Spring Holder	2	2
	29	Spring Spacer	2	2
	30	Pressure Top	2	2
	31	Shock Piston	2	1
	33	Rear Shock Shaft	2	1
	34	Shock End	2	1
	36	Rear Shock Spring	2	2
	108	E Ring (E-2,5)	4	2
	145	Shock Bush	2	7
FRS-4	4	Front Wheel Shaft	2	3
	5	Swing Shaft	4	8 10
	6	Drive Washer	4	8
	7	Joint Cap	4	5 10
	37	Rear Wheel Shaft	2	3
	38	Knuckle Arm (R)	1	3
	39	Knuckle Arm (L)	1	3
	40	King Pin	4	3
	121	5 φ x10 Plane Bearing	8	3 4
FRS-5	45	Sus. Shaft (A) (Silver)	2	4
	46	Sus. Shaft (B) (Black)	2	4
	47	Sus. Shaft (C)	2	4
	48	Sus. Shaft (D)	2	4
	53	M2,6 Pillow Ball (Black)	2	3
	54	M3 Pillow Ball (Silver)	12	5 6 8 10
	56	Ball End Rod	6	5
	79	5,8 φ Ball	2	6
	146	Front Sus. Plate	1	5
FRS-6	41	Front Hub (R)	1	3
	42	Front Hub (L)	1	3
	43	Front Sus. Arm	2	3
	44	Rear Sus. Arm	2	4
	55	Ball End	12	5
	65	Joint Collar (Short)	1	10
	77	Rear Hub (L)	1	4

Bag	Key #	Parts Name	Q'ty	Step
FRS-6	78	Rear Hub (R)	1	4
	80	Servo Mount	4	3
	131	Servo Mount (A)	4	3
	132	Servo Mount (B)	1	3
	133	Servo Mount (C)	1	3
FRS-7	110	Tail Pipe	1	16
	111	Air Filter Element	1	P.13
	112	Element Holder	1	"
	113	Adaptor Pipe	1	"
	115	Throttle Rod	1	14
	116	Linkage Rod	2	14 16
	117	2 φ Linkage Guide	1	16
	118	3 φ Linkage Guide	1	14
	119	Rod Stopper	2	14
	126	Strap	1	14
	130	Antenna	1	14
	136	Plug Wrench	1	P.13
	140	Battery Holder	1 組	P.12
	141	Battery Holder collar	2	
FPS-8	3	Wheel	4	9
Others	2	Tire	4	9
	137	Body	1	17
	138	Fuel Pump	1	P.12
	142	Decal	1	20
		Instruction	1	
FRS-3 Screw, Nuts & Others	108	E Ring (E-2,5)	5	1 2
	134	Body Pin	4	15
	135	Hook Pin	4	18
	143	Hex Key (1,5)	1	8 10
	144	Hex Key (2)	1	1 3
		Flat Head Screw M3X12	5	
		" M3X20	2	
		" M3X30	1	
		" M4X55	1	
		TP Bind Screw M3X10	20	
		TP Round Head Screw M3X18	2	
		Nut M2.6	2	
		" M3	11	
		" M4	1	
		Nylon Nut M3	3	
		" M4	4	
		Set Screw M4X8	4	
		" M4X4	4	
		" M3X3	3	
		Flat Washer M5	6	

No. 3013

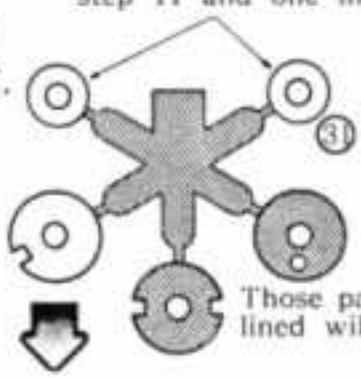
1 ASSEMBLY OF OIL SHOCK

The pasrts for the front shocks are contained in the bag "FRS−1", and those for the rear shocks in "FRS−2".

(FRS−) after a part name indicates the header number of a bag which contains the part. Do not discard the header, but put it in the bag or tape it down for easier identification of the part.

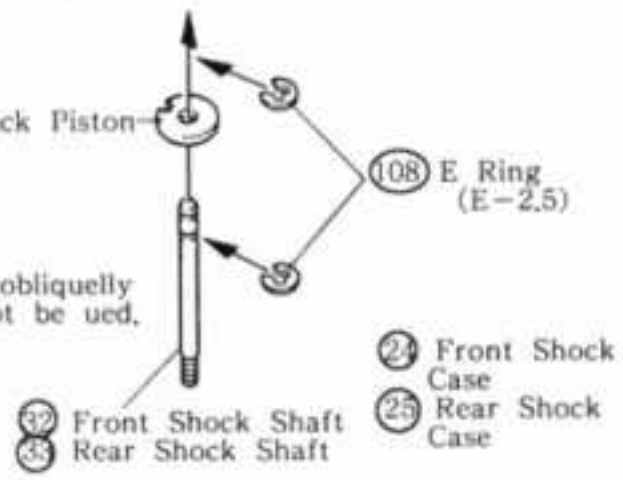
Stage 1

Only three pieces of this part will be used, two in step 11 and one in step 15.



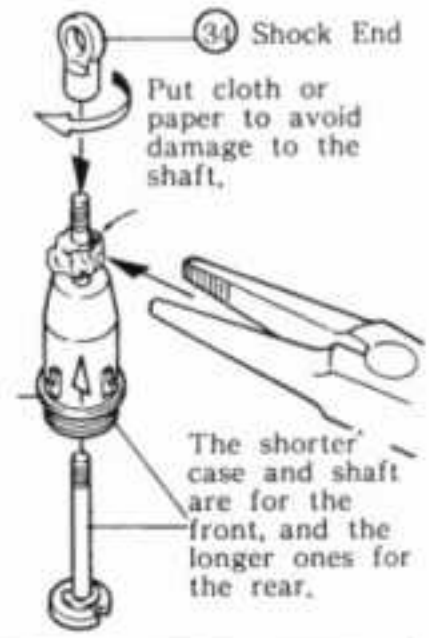
Remove any flash with a knife and smooth the surface.

Stage 2



Assemble two each of this for the front and the rear.

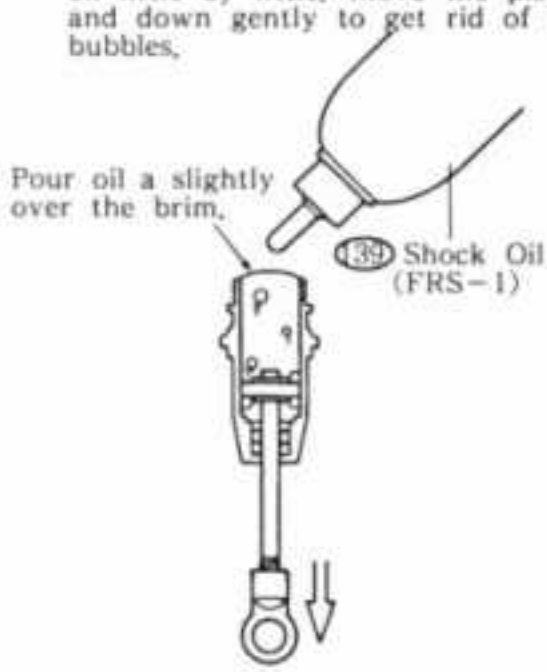
Stage 3



2 FILLING THE SHOCK OIL

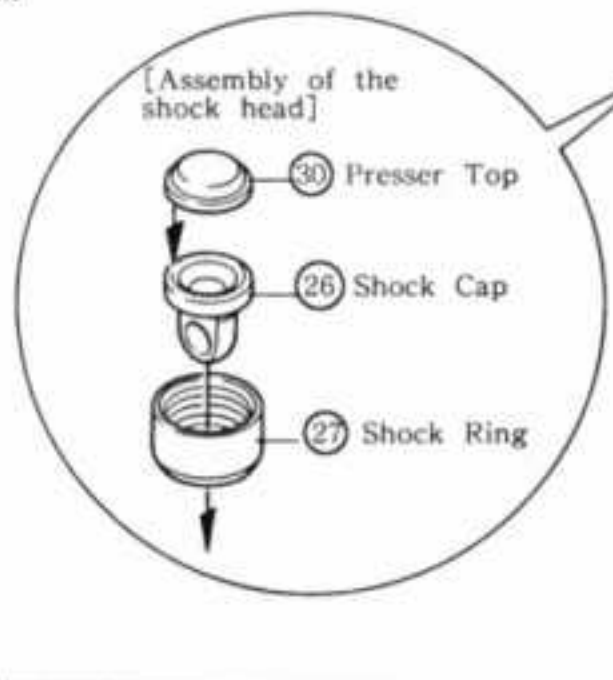
Stage 1

Place the piston to the bottom and pour oil little by little. Move the piston up and down gently to get rid of air bubbles.



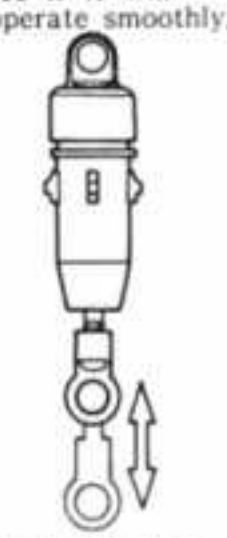
Stage 2

Push down the piston all the way and tighten the shock head slowly. At this time excessive oil will flow out.

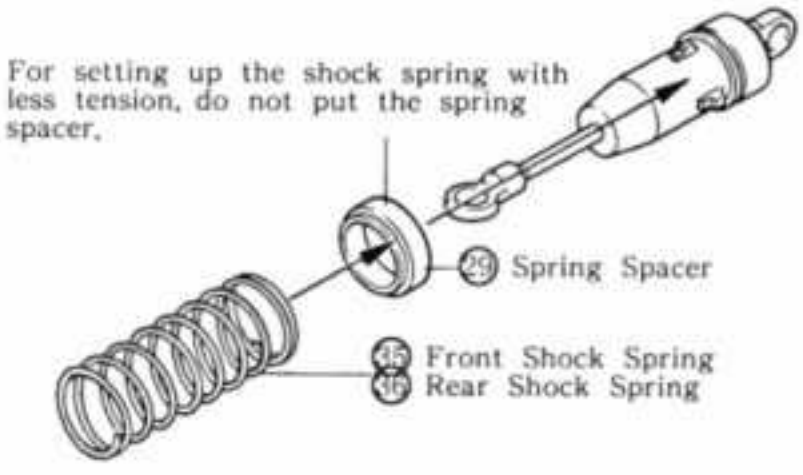


Stage 3

Move the piston up and down to see if it will operate smoothly.

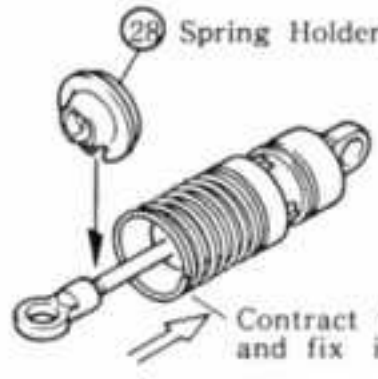


It should slide smoothly.



Stage 4

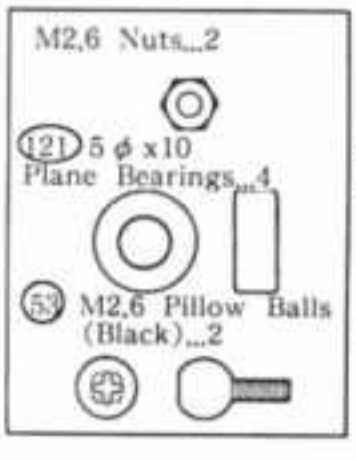
Attach the rest of parts, then the shock will be completed.



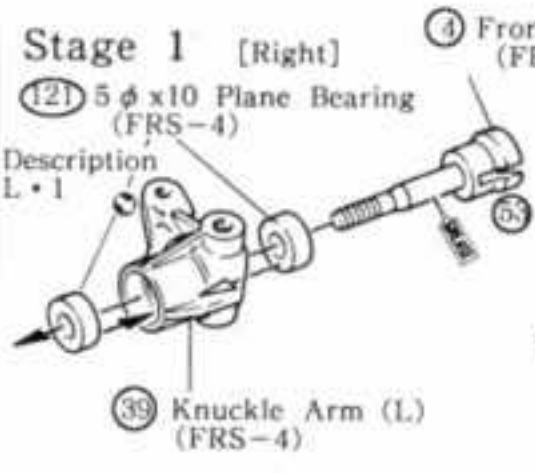
The front shocks will be installed in step 7, and the rear shocks in step 11.

3 ASSEMBLY OF KNUCKLE ARM

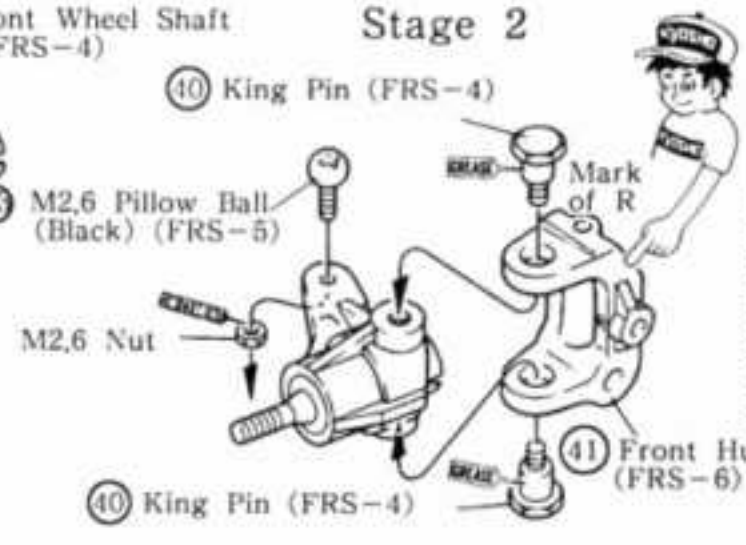
Watch the marks "R" and "L", and the orientation.



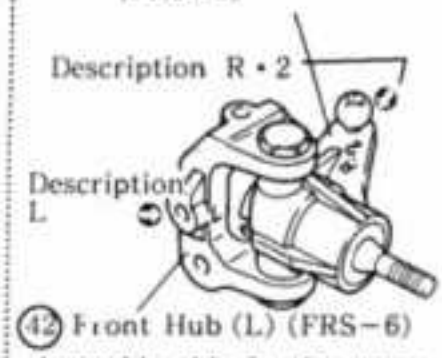
Stage 1 [Right]



Stage 2



Stage 3 [Left]



Assemble this in the same way as was done with the right side counterpart.

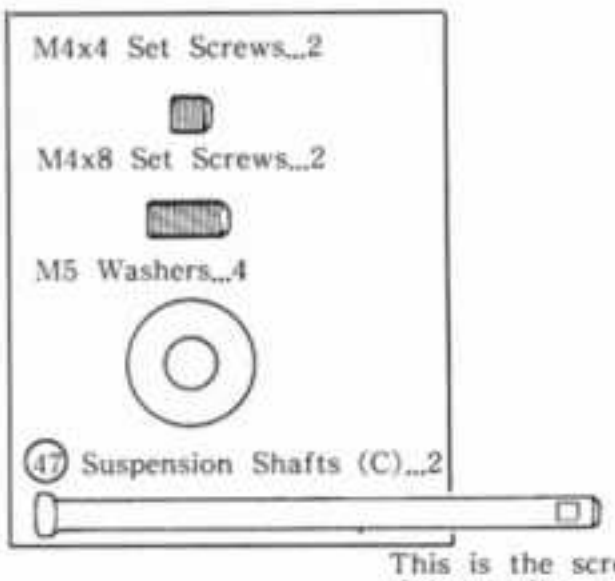
4 INSTALLATION OF FRONT SUSPENSION ARM

M4x4 Set Screws...2

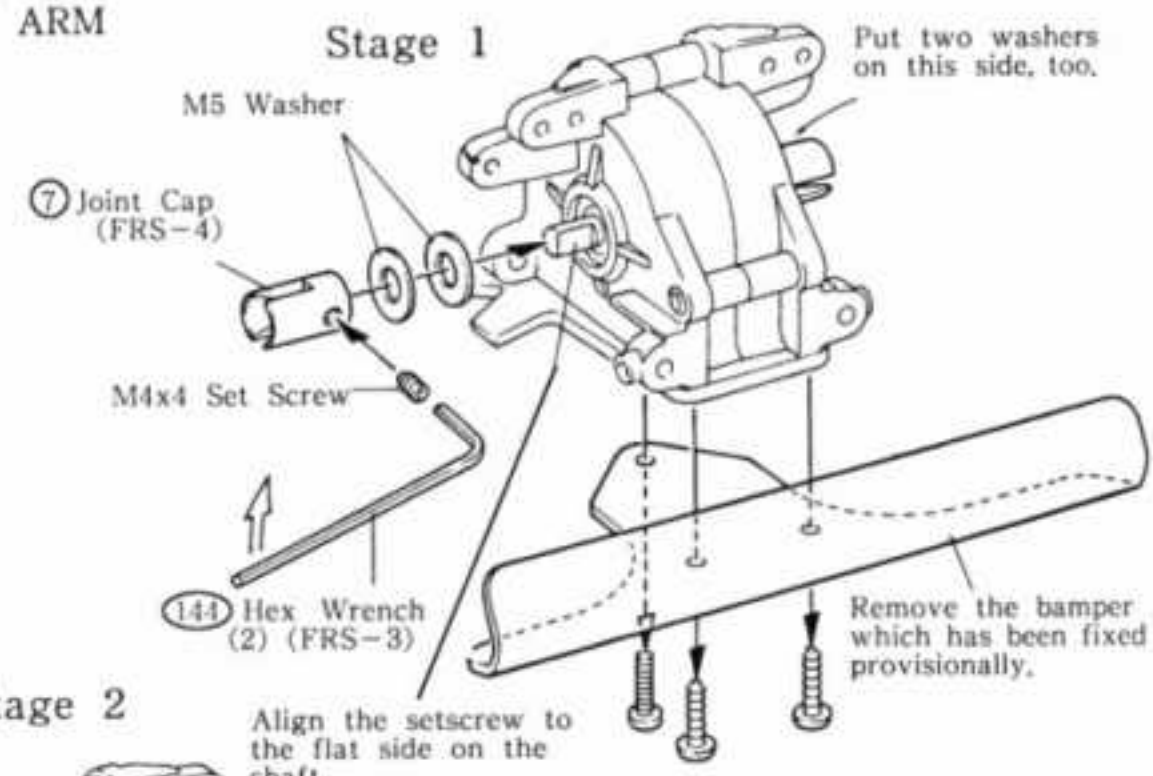
M4x8 Set Screws...2

M5 Washers...4

(47) Suspension Shafts (C)...2

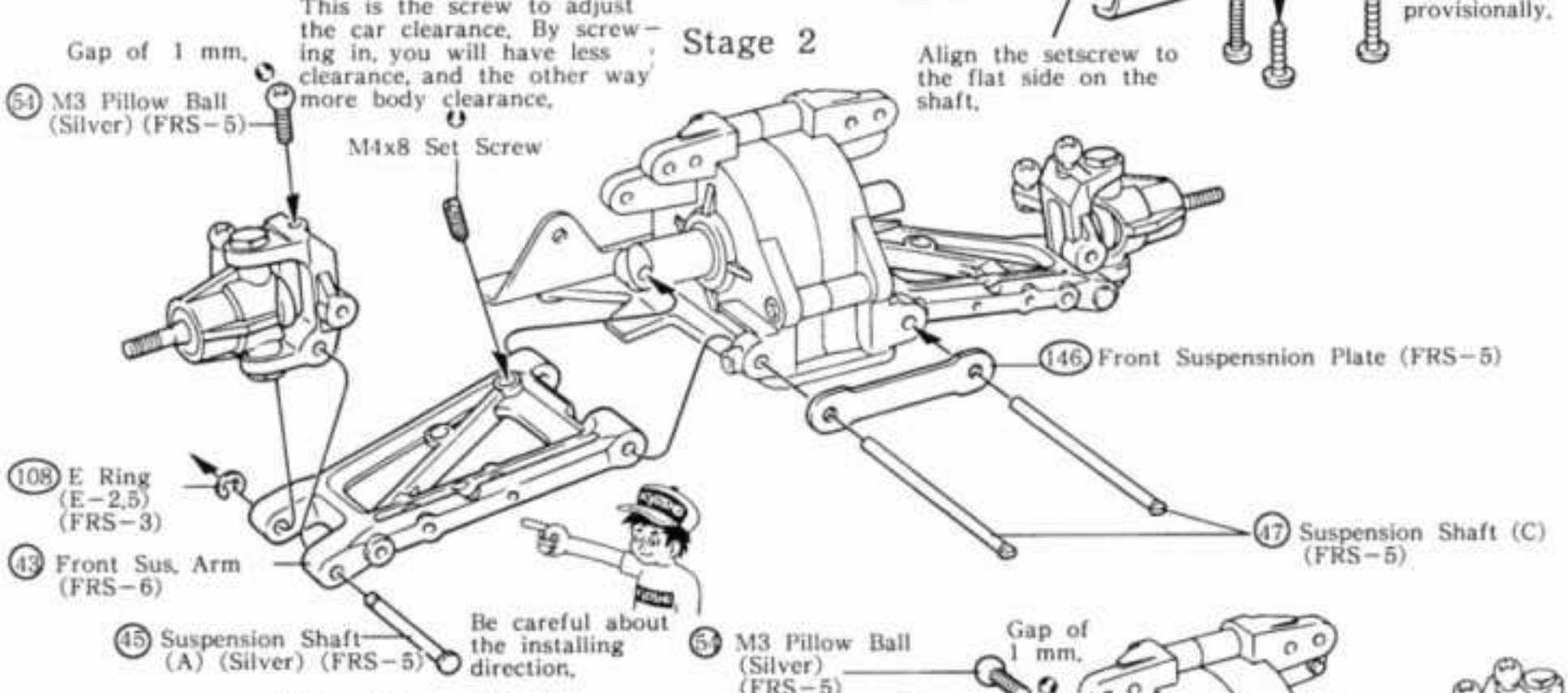


Stage 1

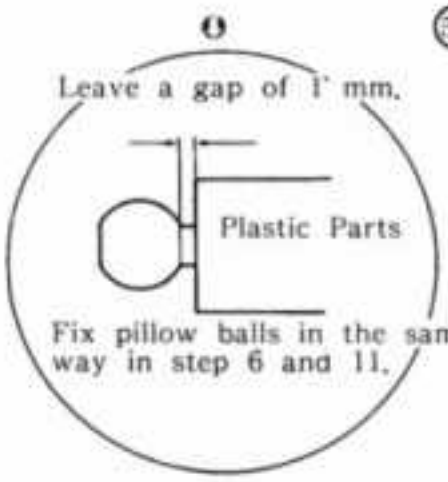


Align the setscrew to the flat side on the shaft.

Stage 2



When fixing a M3 pillow ball into a plastic part.

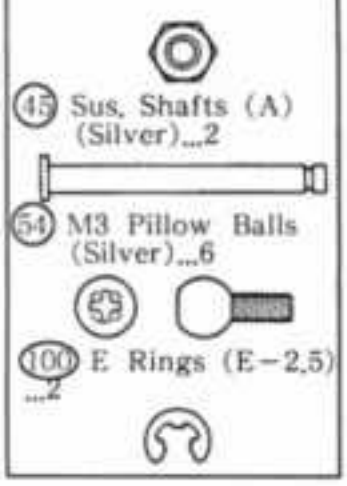


M3 Nuts...4

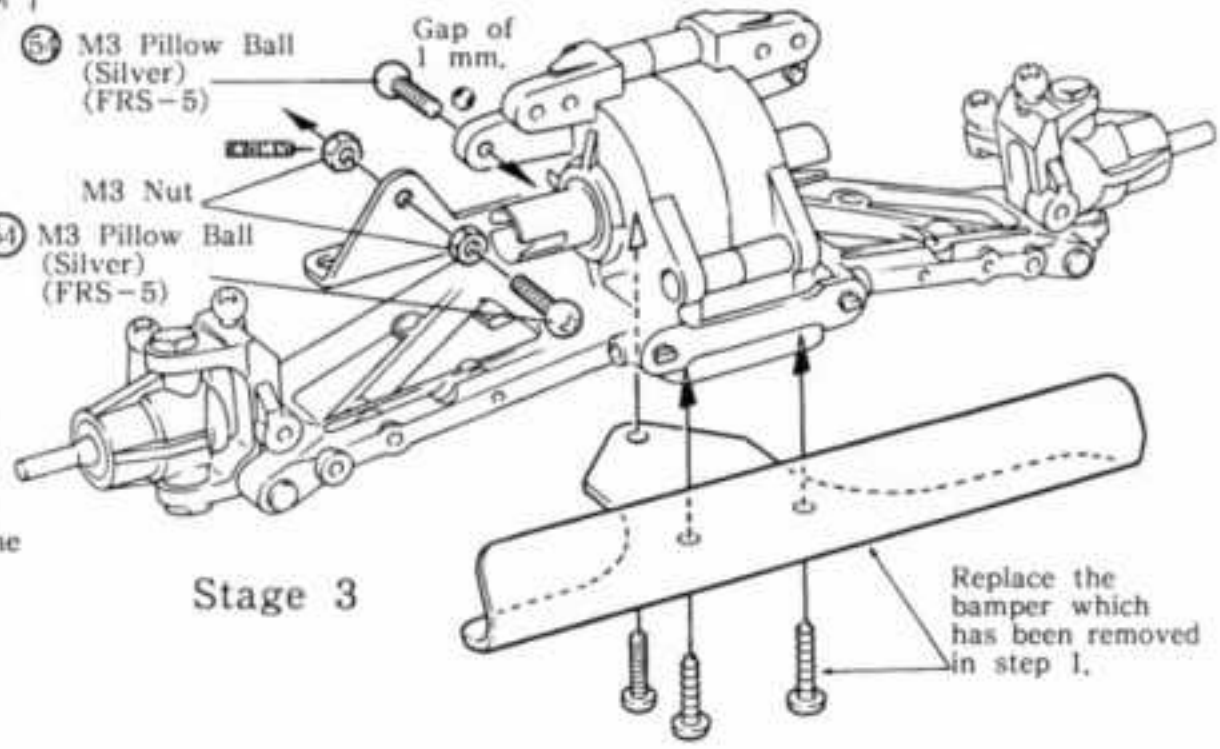
(45) Sus. Shafts (A) (Silver)...2

(54) M3 Pillow Balls (Silver)...6

(100) E Rings (E-2,5) ...2



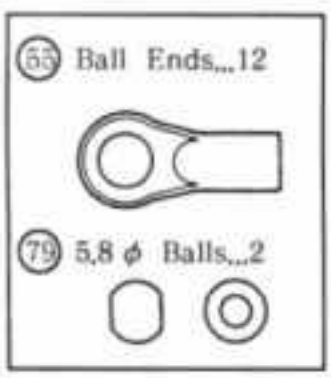
Stage 3



5 ASSEMBLY OF UPPER ROD AND TIE ROD

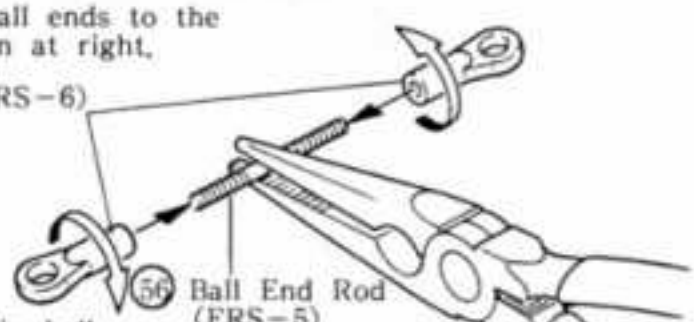
(55) Ball Ends...12

(79) 5,8 φ Balls...2



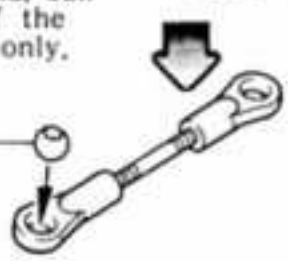
- Screw in the ball ends to the length as shown at right.

(55) Ball End (FRS-6)



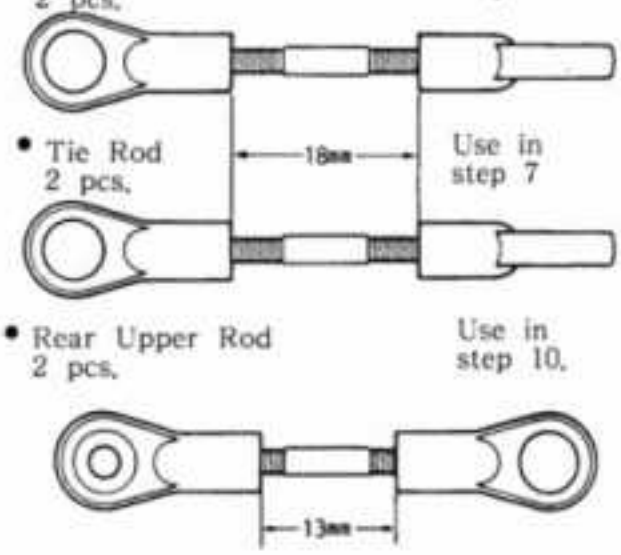
- Fit a 5,8 mm dia. ball into one side of the rear upper rod only.

(79) 5,8 φ Ball (FRS-5)



[Actual Size]

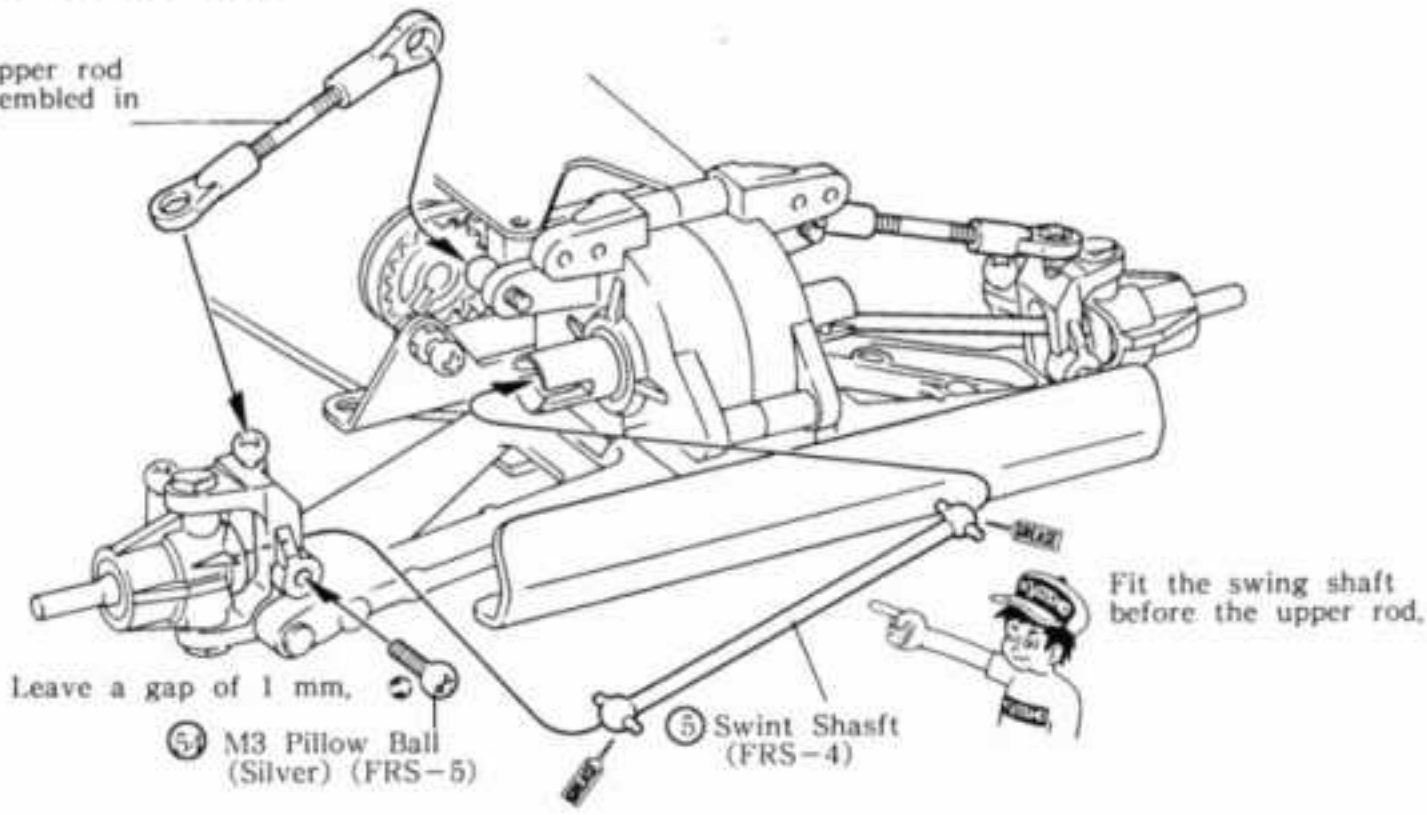
- Front Upper Rod 2 pcs. — Use in step 6.
- Tie Rod 2 pcs. — Use in step 7
- Rear Upper Rod 2 pcs. — Use in step 10.



6 INSTALLATION OF FRONT UPPER ROD

This is the front upper rod which has been assembled in step 5.

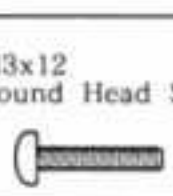
(54) M3 Pillow Balls (Silver)...2

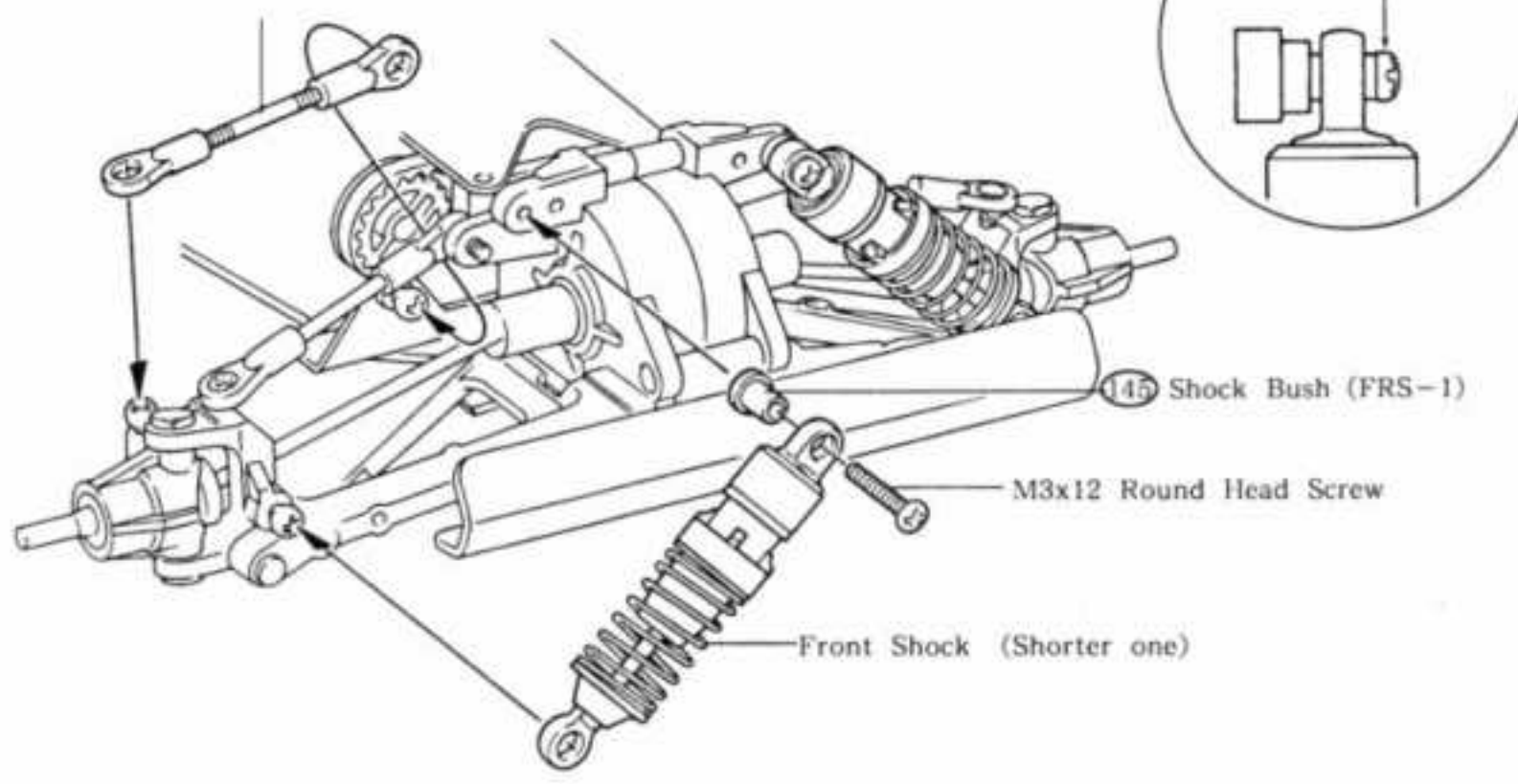


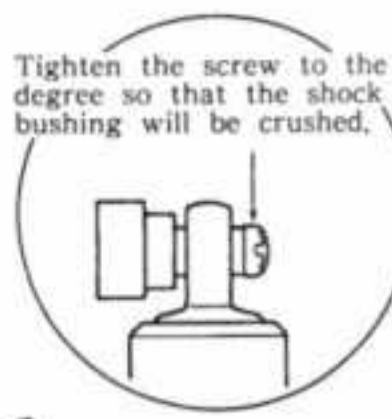
7 INSTALLATION OF FRONT SHOCK AND TIE ROD

This is the tie rod which has been assembled in step 5.

M3x12 Round Head Screws...2







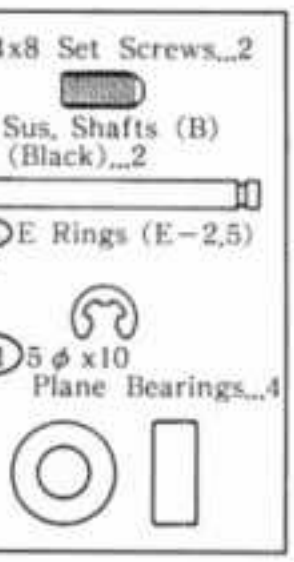
8 INSTALLATION OF REAR HUB

M4x8 Set Screws...2

(46) Sus. Shafts (B) (Black)...2

(108) E Rings (E-2,5) ...2

(121) 5 φ x10 Plane Bearings...4



(121) 5 φ x10 Plane Bearing (FRS-4)

(37) Rear Wheel Shaft (FRS-4)

Stage 1

[Right]

(78) Rear Hub (R) (FRS-6)

(46) Sus. Shaft (B) (Black) (FRS-5)

Stage 2

This is the screw to adjust the car clearance. By screwing in, you will have less clearance, and the other way more body clearance.

M4x8 Set Screw

[Left]

(77) Rear Hub (L) (FRS-6)

(108) E Ring (E-2,5) (FRS-3)

(44) Rear Sus. Arm (FRS-6)

(78) Rear Hub (R)

[Right]

Be careful about the installing direction.

9 INSTALLATION OF REAR AND EACH PARTS

This illustration shows the left side installation. Assemble the right counterpart in the same way.

M3x30
Roud Head Screw...1

M4x4 Set Screws...2

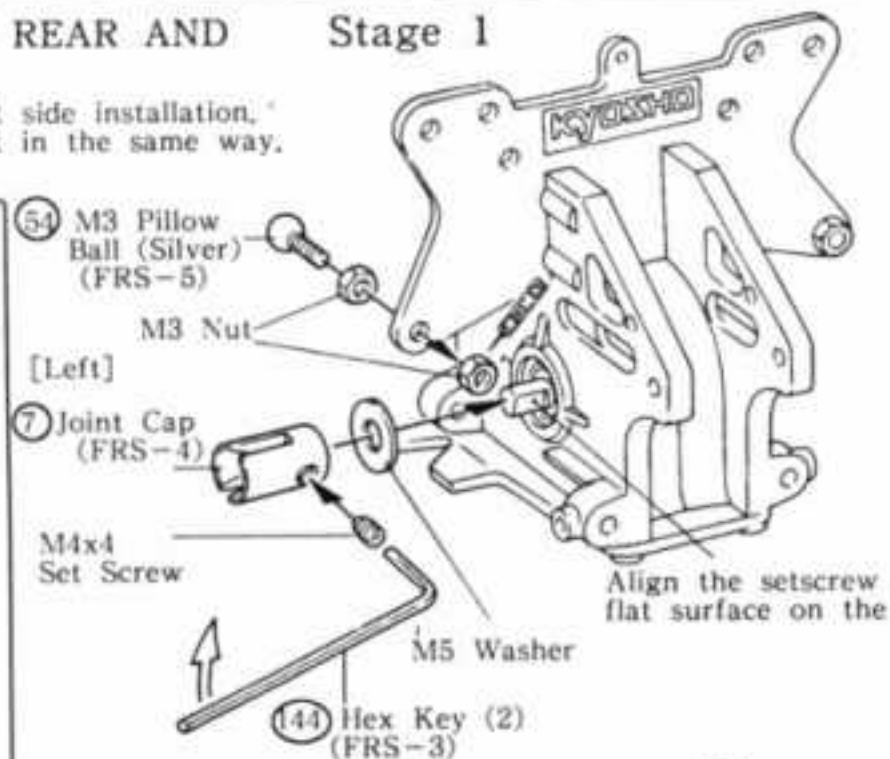
M5 Washers...2

M3 Nuts...5

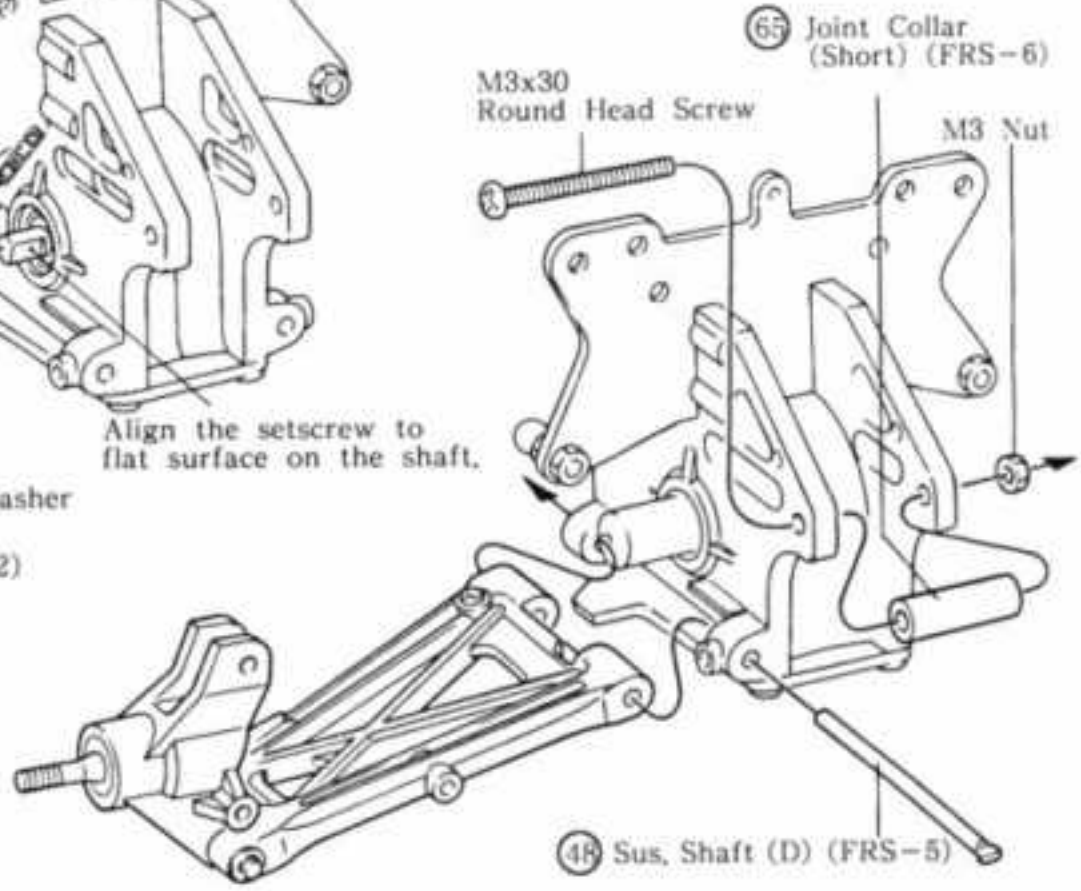
(48) Sus. Shafts (D)...2

(54) M3 Pillow Balls (Silver)...2

Stage 1



Stage 2



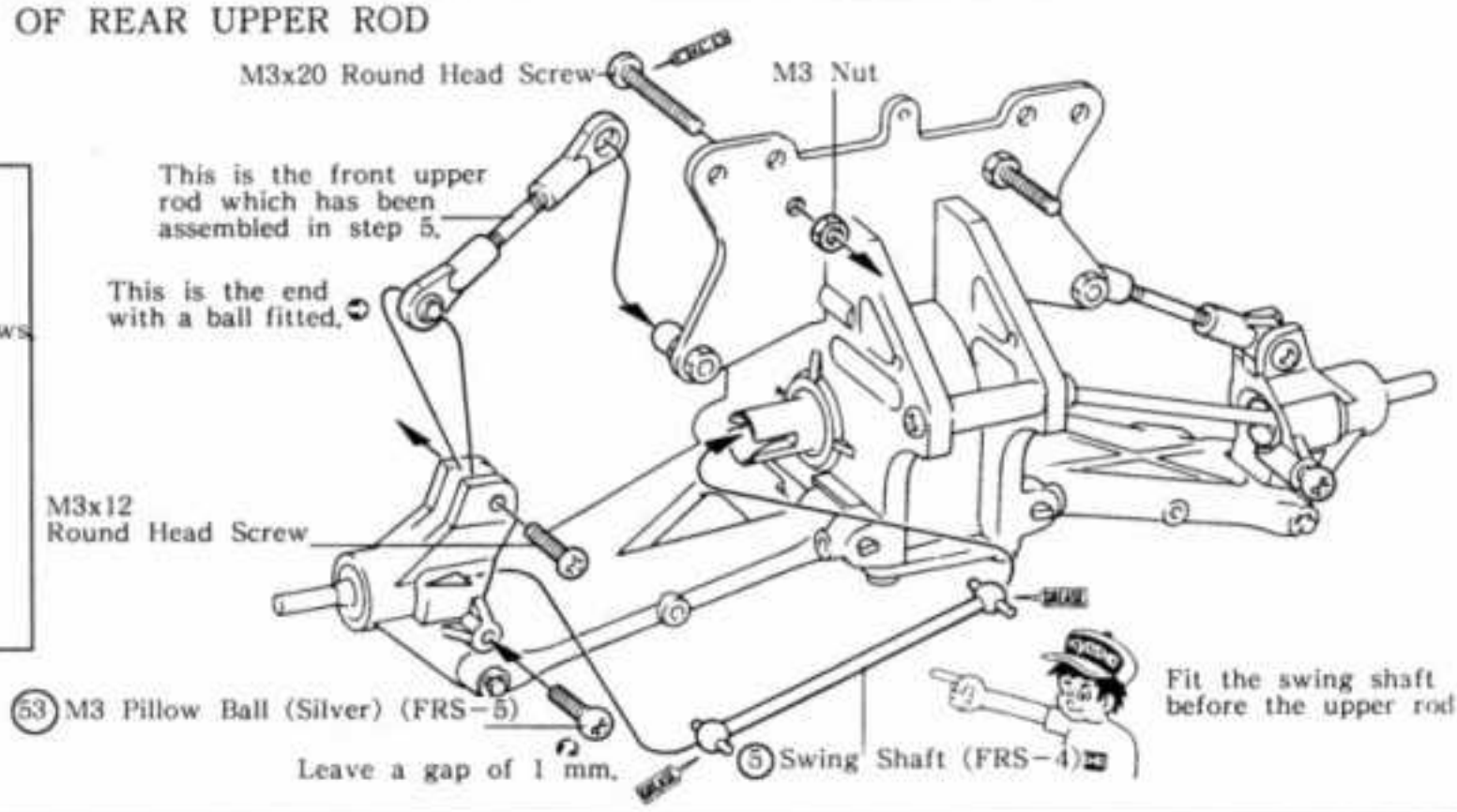
10 INSTALLATION OF REAR UPPER ROD

M3x12
Round Head Scews...2

M3x10 Round Head Screws...2

M3 Nuts...2

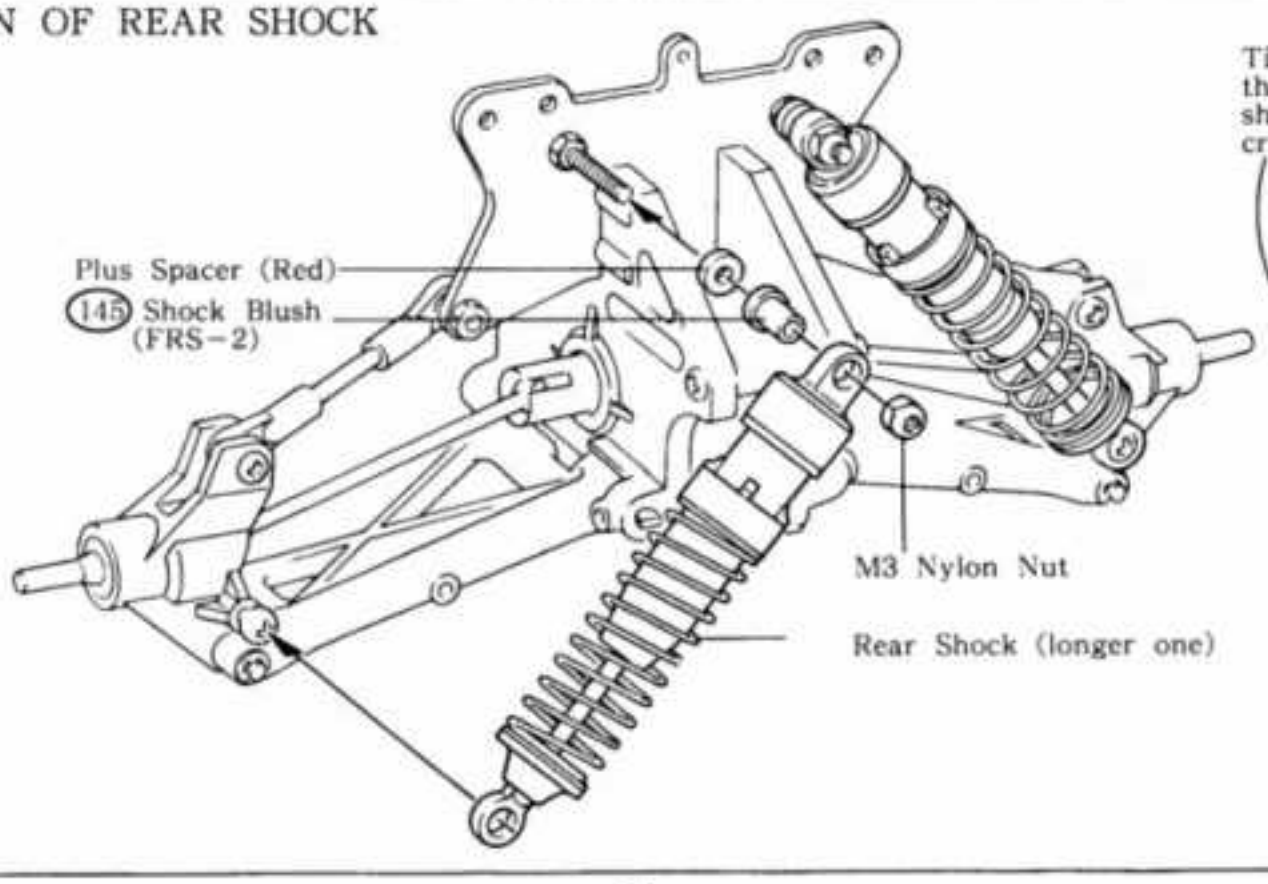
(54) M3 Pillow Balls (Silver)...2

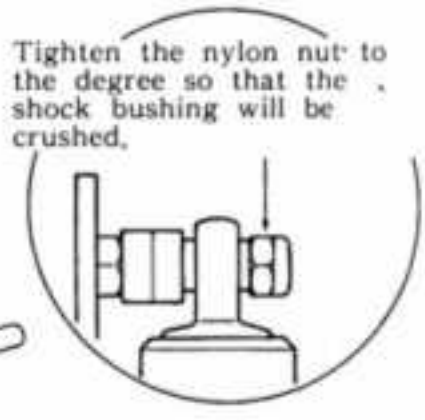


11 INSTSALLATION OF REAR SHOCK

Plus Spacers (Red)...2
(Attached to the shock piston (31))

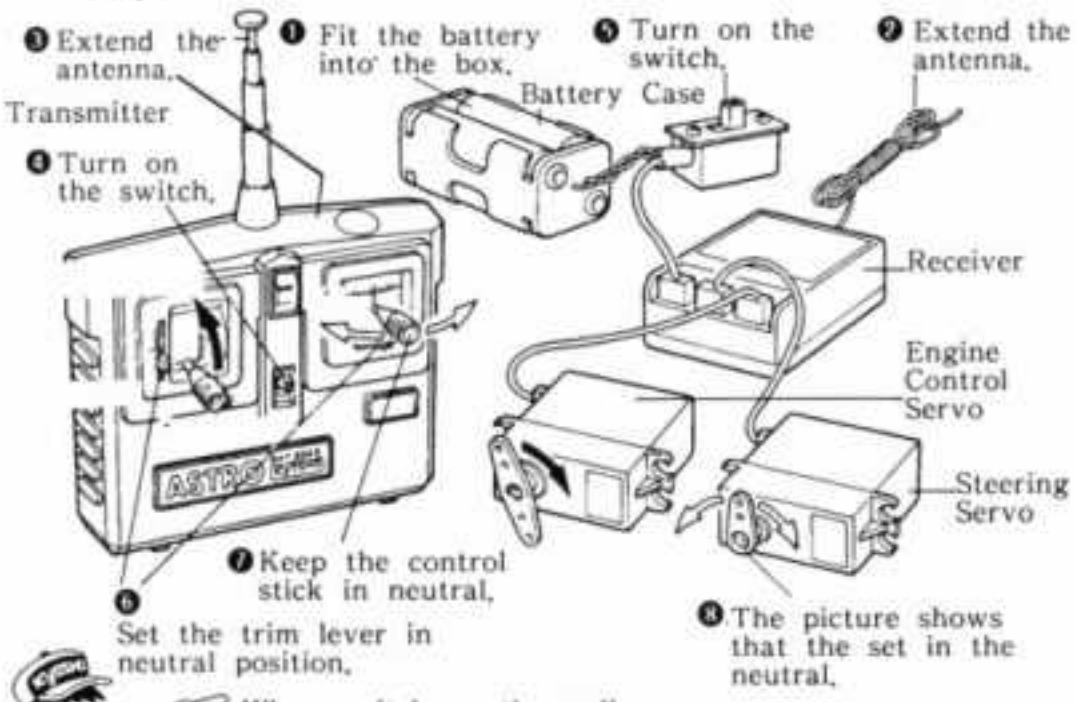
M3 Nylon Nuts...2

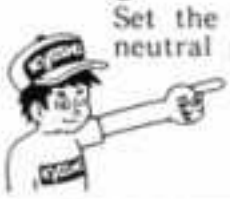




12 HOW TO CHECK RADIO SYSTEM

Let's test the system by following number one by one as a step.





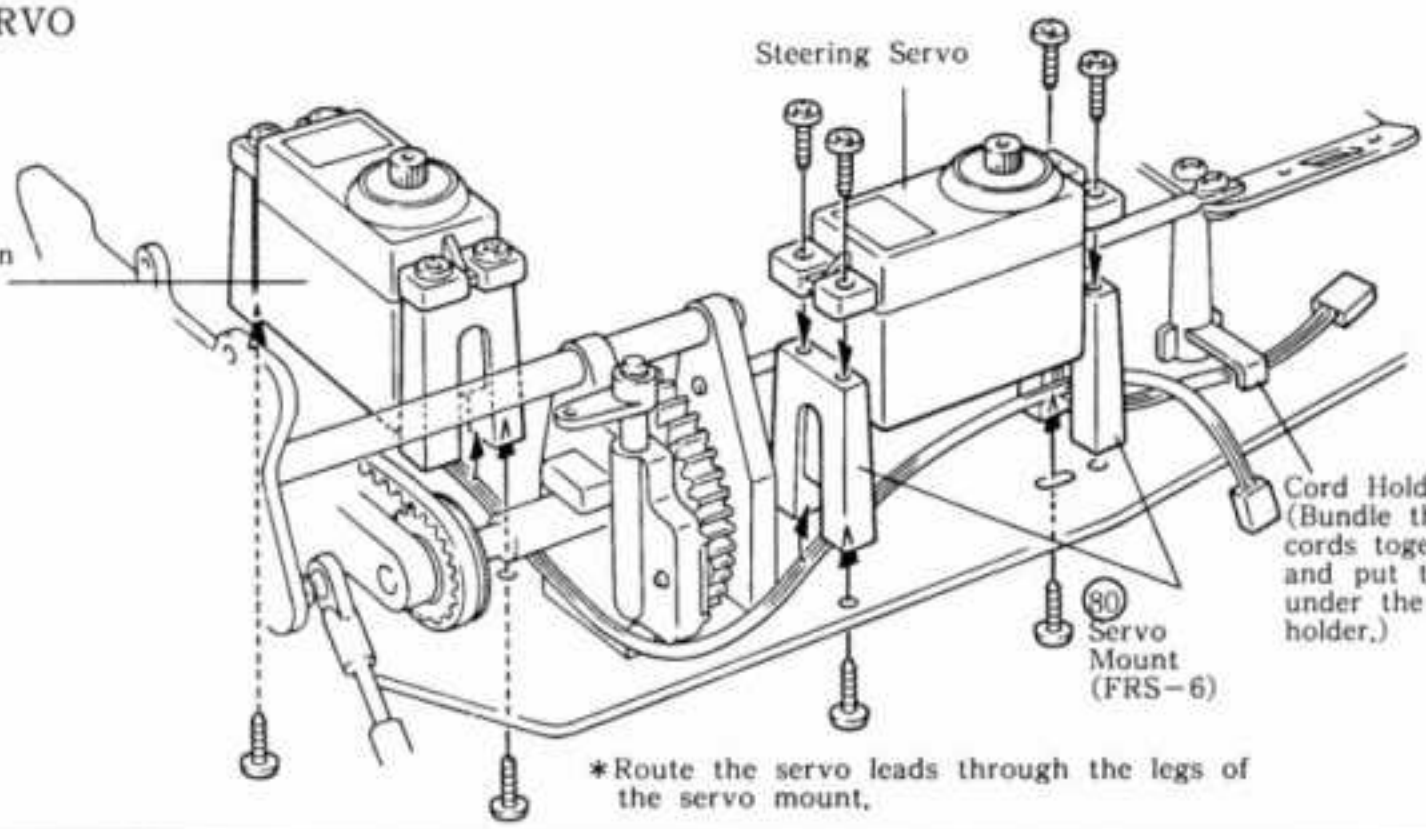
When switch on the radio...
Get the switches in order from transmitter to receiver.
When switch off the radio...
In order from receiver to transmitter.

A two channel radio is composed of things like a transmitter, receiver, servos, and battery.

- ✱Transmitter···· It is control box which manipulates by stick movements. Signal waves are transmitter through on antenna.
- ✱Receiver ····· Receives the signals from the transmitter and send them to the servos.
- ✱Servo ····· They move the control mechanism of a model car in accordance with the signals from the receiver.
- ✱Antenna ····· An antenna on the transmitter sends signals, and one on the receiver accepts them. They should be fully extended.
- ✱Trim Lever ····· They will adjust the neutral position of servos, thus regulate the steering and advancing controls finely.
- ✱Battery Meter ····· You can tell the amount of electricity in a battery and how the signals are emitted.
- ✱Servo Horns ····· They are intermediate devices on the servos to activate the controls. There are several types in shape. They should be selected depending upon the usage.

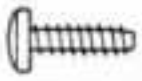
13 INSTALLATION OF SERVO

Engine Control Servo (Mount it in the same way as done with the steering servo.)



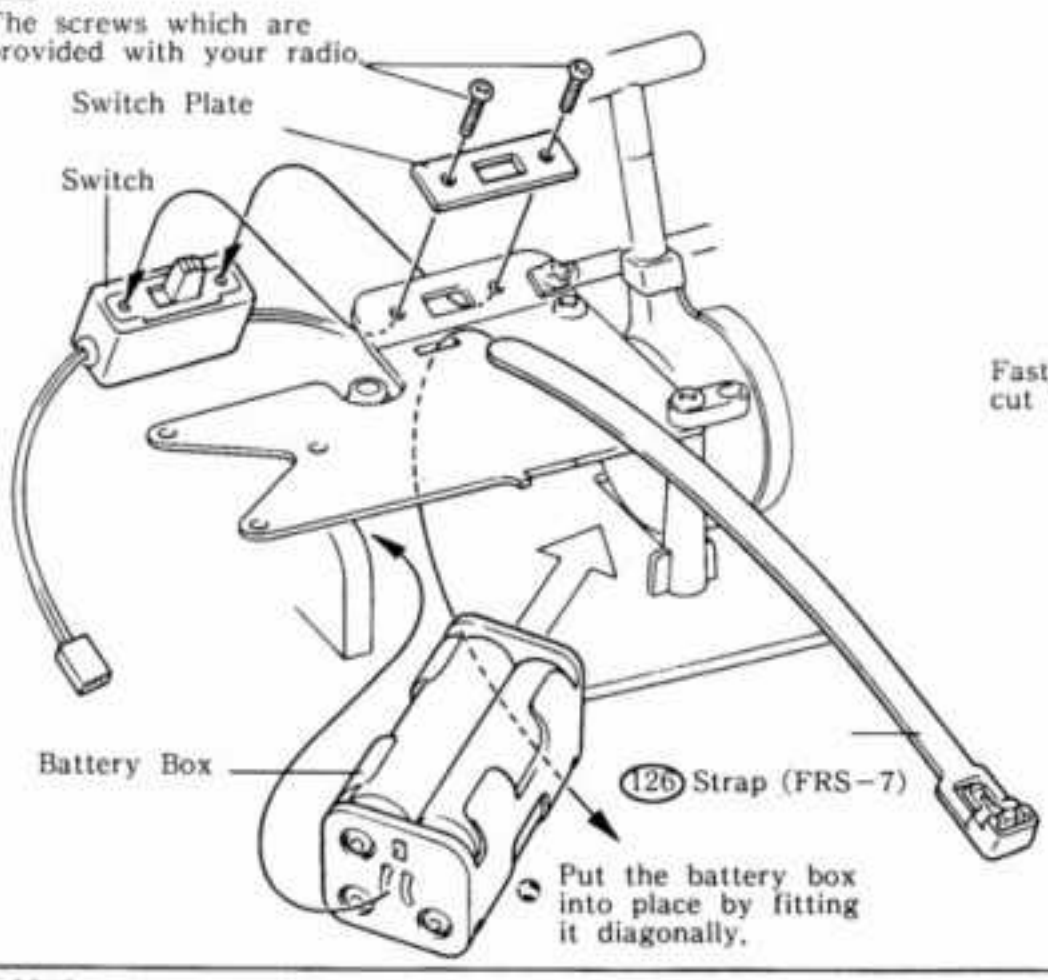
✱Route the servo leads through the legs of the servo mount.

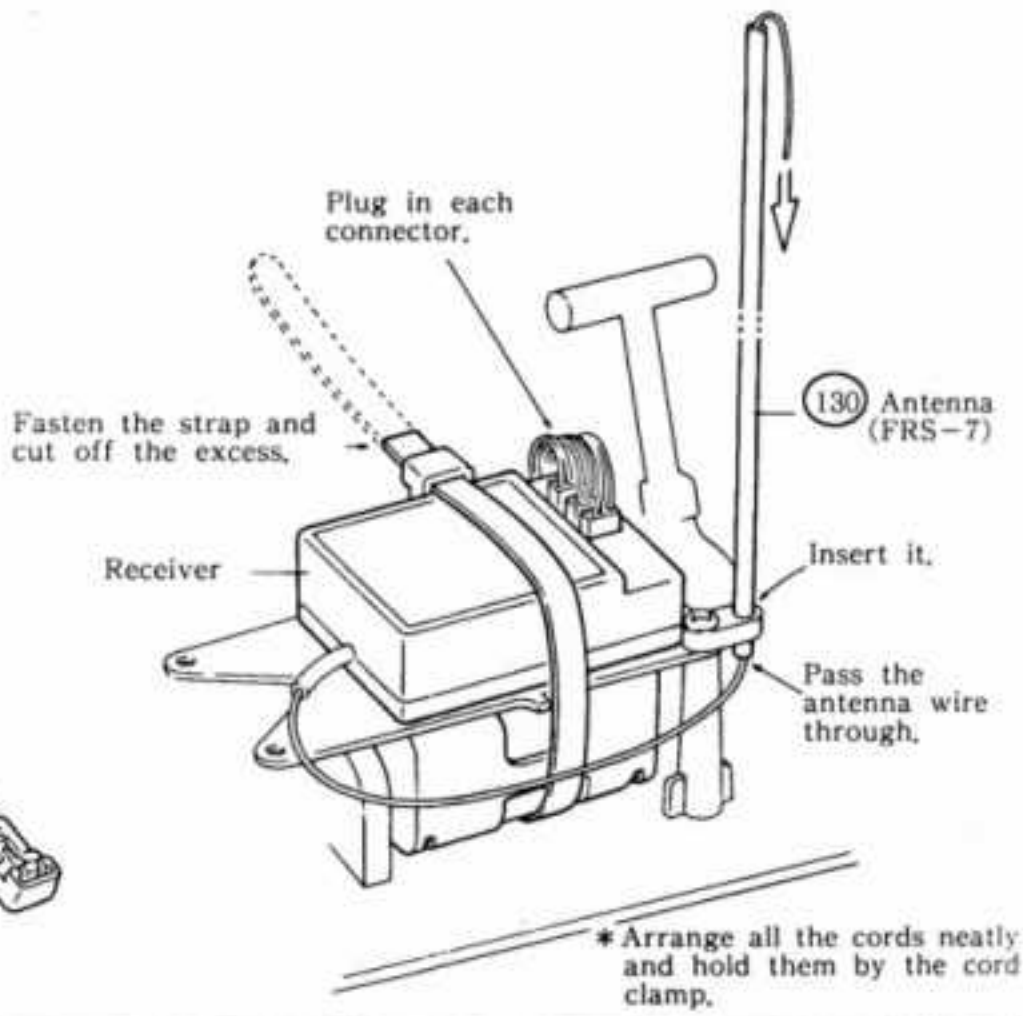
M3x10
TP Bind Screws...2



14 INSTALLATION OF RADIO SYSTEM

The screws which are provided with your radio.





✱Arrange all the cords neatly and hold them by the cord clamp.

15 STEERING LINKAGE

M3x3 Set Screw...1

M3 Nylon Nut...1

Plastic Spacer (Red)...1
(Attached to the shock piston (31))

(118) 3 ϕ Linkage Guide...1

Stage 1

Enlarge the hole to the thickness of the rod.

[Triming off of servo horn] Cut off the shaded portions, they will not be used.

Connect the control rod to the hole which is 16 mm away from the center.

Stage 2

Bend the control rod at the point marked with an arrow as shown below and at right.

The screws which are provided with your radio.

M3x3 Set Screw

(116) Linkage Rod (FRS-7)

(118) 3 ϕ Linkage Guide (FRS-7)

Plastic Spacer (Red)

M3 Nylon Nut

Tighten the nut to the degree allowing the linkage guide to turn lightly.

[Position of steering stick]

Stick Type

Neutral

Handle Type

[Top View]

A and B should be the same length.

90°

Parallel

[Side View]

16 ENGINE CONTROL LINKAGE

M3x3 Set Screws...2

(117) 2 ϕ Linkage Guide...1

(119) Rod Stoppers...2

Stage 1

[Triming off of servo horn]
Cut off the shaded portions,they will not be used.

Connect the control rod to the hole which is 14 mm away from the center.

Use the hole 8 mm off the center for the brake rod.

Stage 2

[Position of engine control]

• Stick Type

• Handle Type

High

Slow

Brake

Brake

High

Stage 3

116 Linkge Rod (For Brake) (FRS-7)

The screws which are provided with your radio.

(119) Rod Stopper (FRS-7)

M3x3 Set Screw

(117) 2 ϕ Linkage Guide (FRS-7)

(115) Throttle Rod (For Engine) (FRS-7)

Screw it in.

(119) Rod Stopper (FRS-7)

M3x3 Set Screw

(143) Hex Key (1.5) (FRS-3)

Arrange the linkage in such a way that the system will take the position as shown in the drawing enclosed with a square at right when the engine is controlled for slow speed running.

(110) Tail Pipe (FRS-7)

[Correlative movement of servo horn and control rod]

High speed

The clearance of the throttle valve should be about 1 mm.(Adjust the setting with the throttle stop screw.)

When the engine is set at a slow speed, the brake is not engaged.

Slow Speed (Idling)

Cut it off here.

The rod is not extended.

Throttle Stop Screw

Brake

It is stretched.

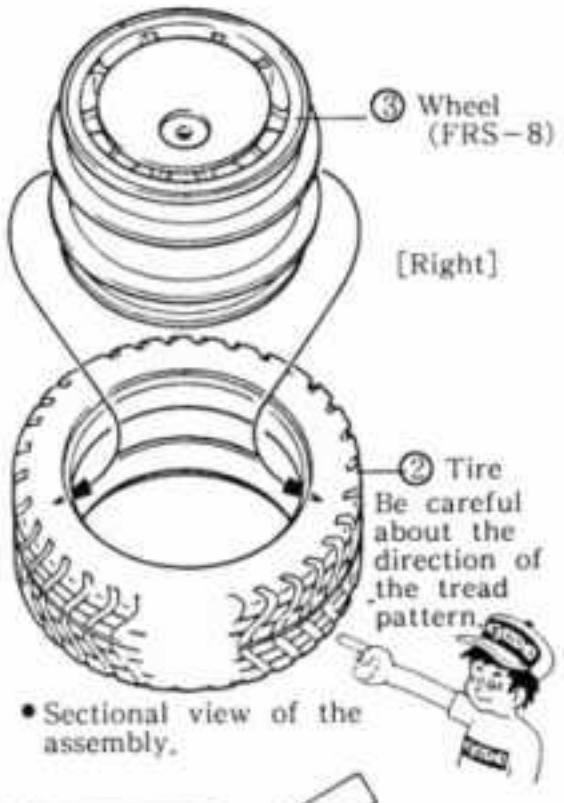
Determin the fixing point of the stopper in such a way that the brake starts to be engaged when the rod is stretched.

17 INSTALLATION OF TIRE

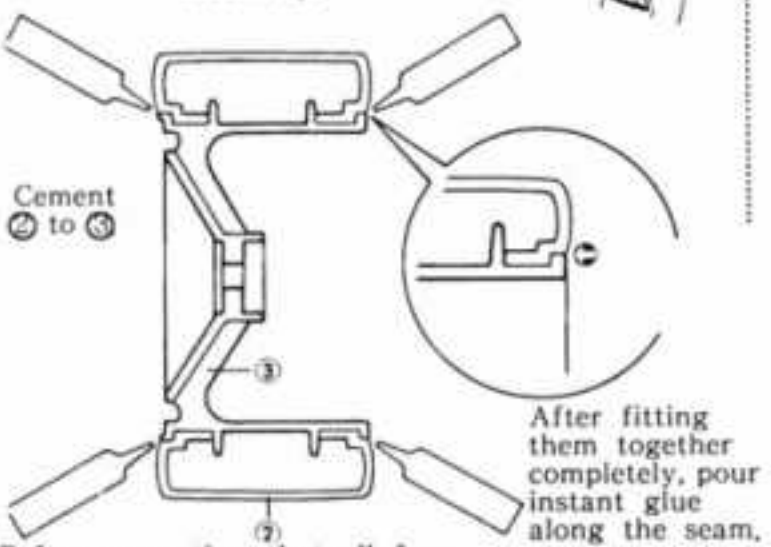
M4 Nylon Nuts...4

Stage 1

[Fixing of wheel and tire]
This illustration shows the right side wheel. In the case of the left side, everything is the same but the direction of the tread pattern is opposite.

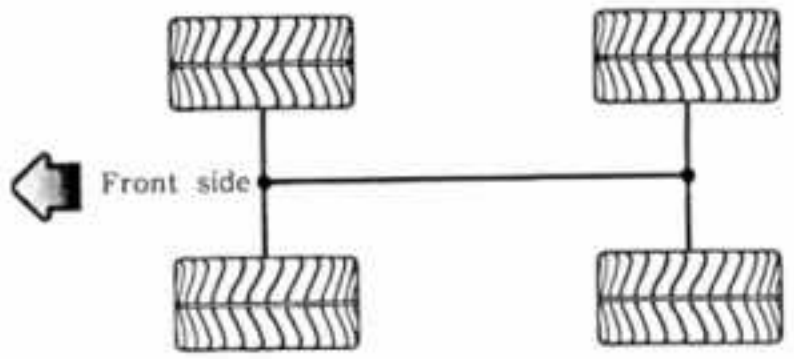


• Sectional view of the assembly.



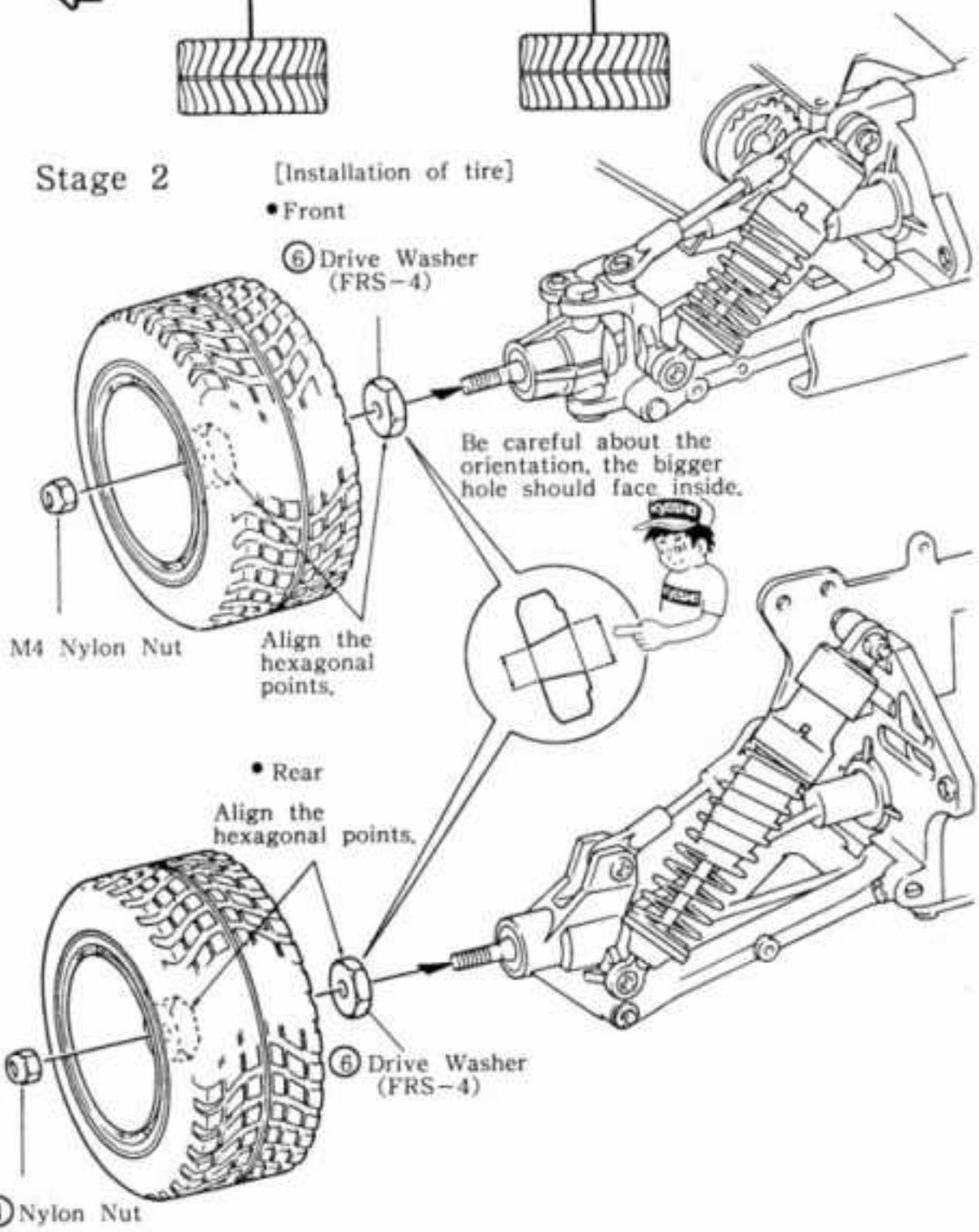
Before cementing that all four wheels and tires are fitted in the right direction,

[Right direction of tire patterns]

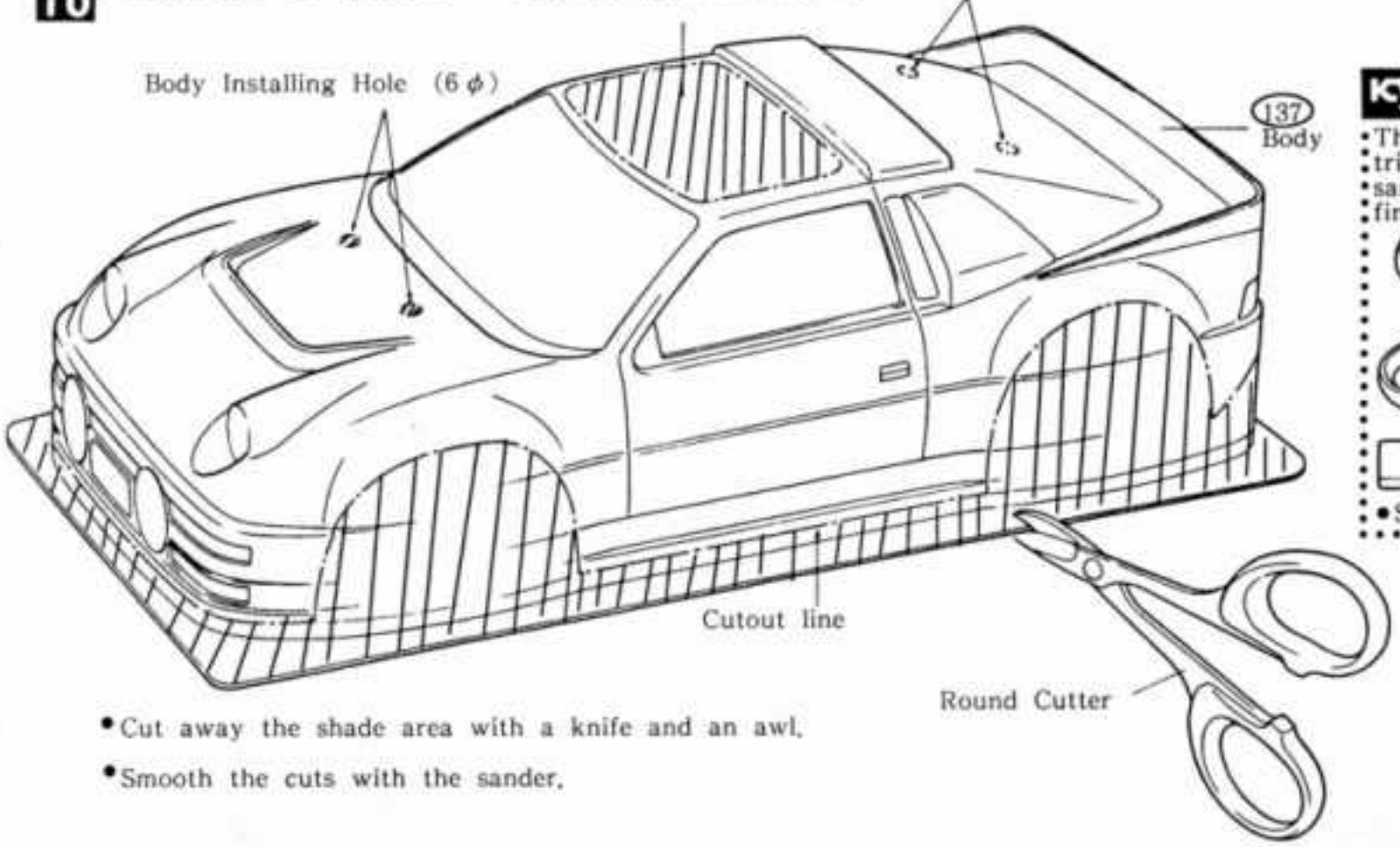


Stage 2

[Installation of tire]



18 CUTTING OF BODY

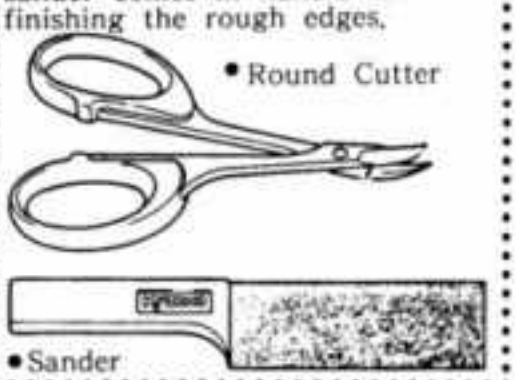


• Cut away the shade area with a knife and an awl.

• Smooth the cuts with the sander.

KYOSHO

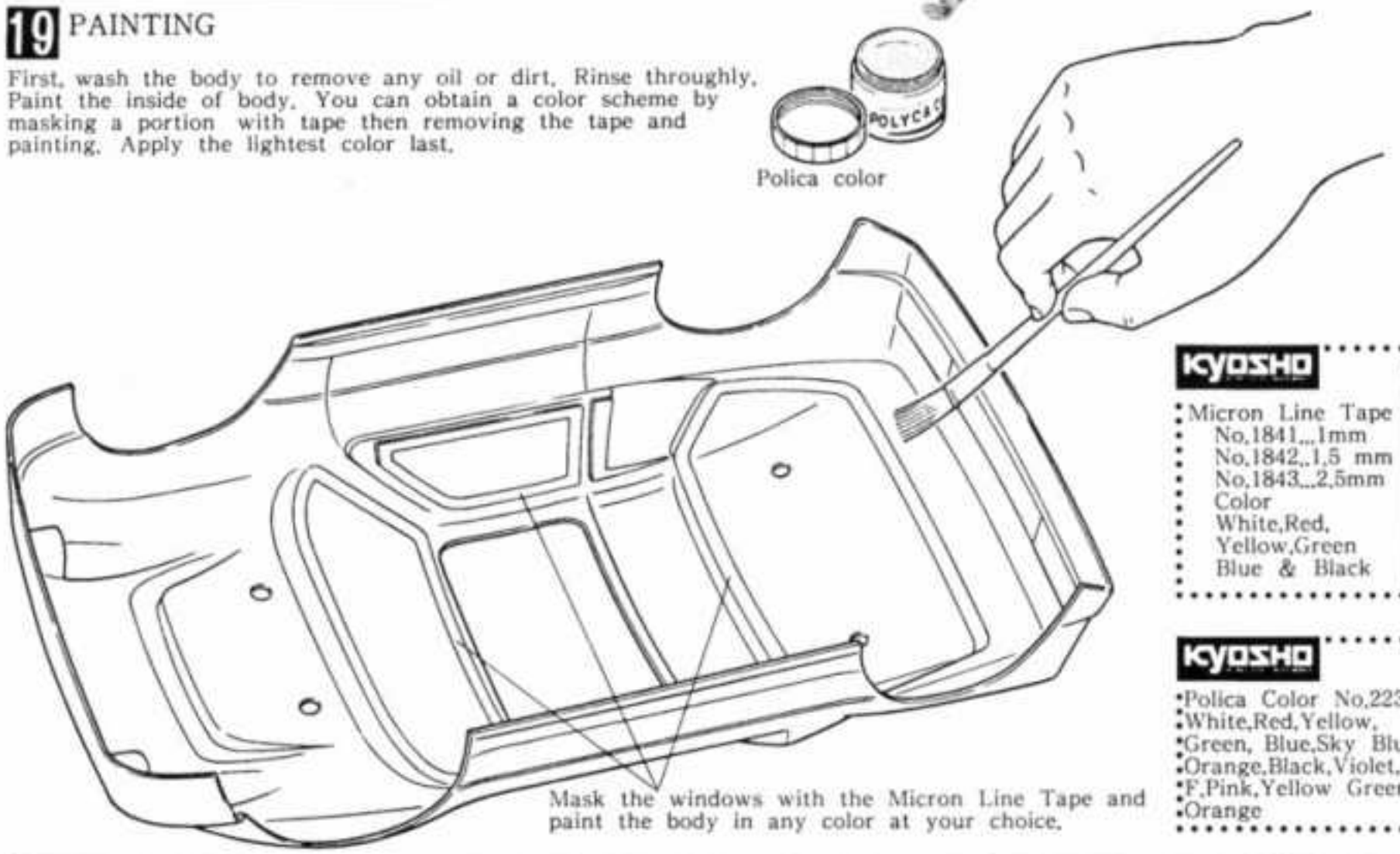
• These special Lexan Scissors make trimming bodies a breeze and the sander comes in handle for finishing the rough edges.



19 PAINTING

First, wash the body to remove any oil or dirt. Rinse throughly. 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.

Polica color



Mask the windows with the Micron Line Tape and paint the body in any color at your choice.

KYOSHO

- Micron Line Tape
  - No.1841...1mm
  - No.1842...1.5 mm
  - No.1843...2.5mm
  - Color
  - White, Red,
  - Yellow, Green
  - Blue & Black

KYOSHO

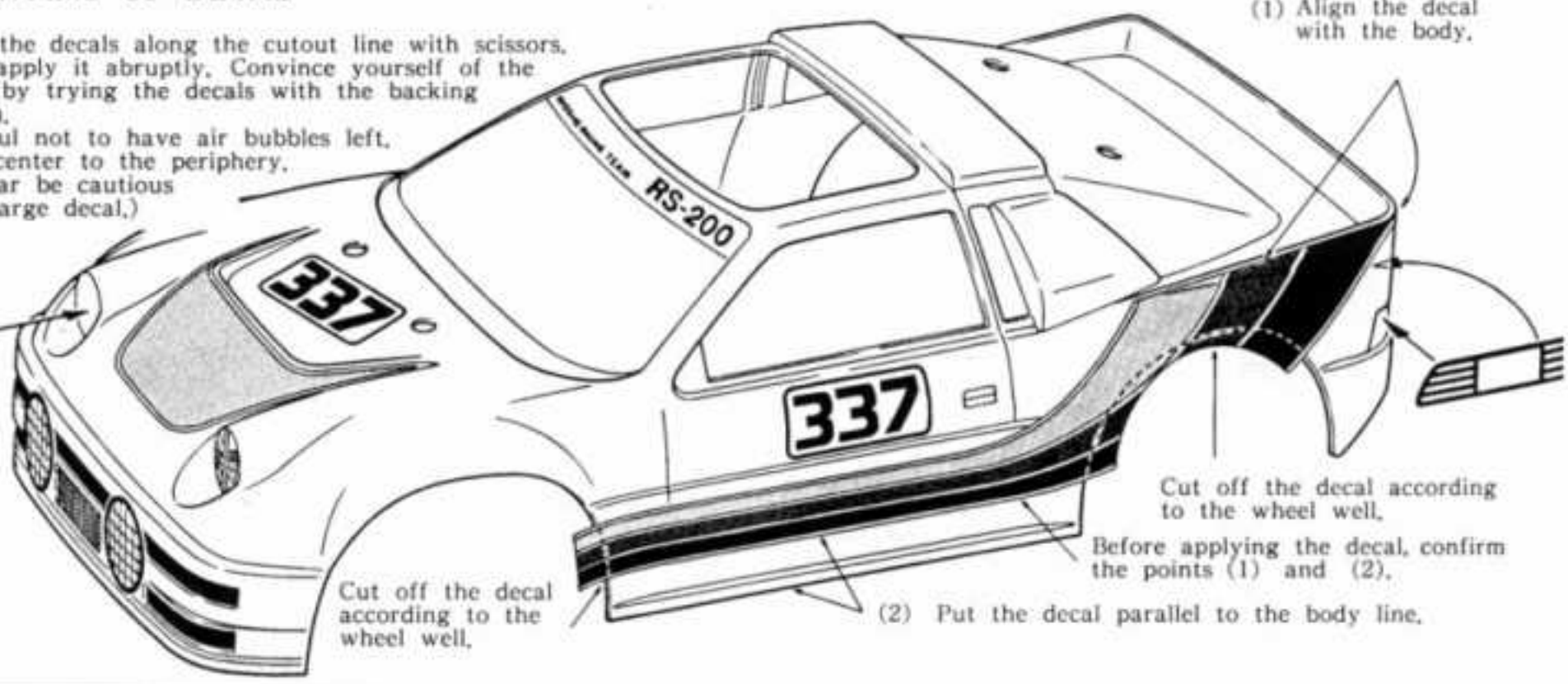
- Polica Color No.2230
- White, Red, Yellow,
- Green, Blue, Sky Blue,
- Orange, Black, Violet,
- F. Pink, Yellow Green &
- Orange

20 PAINTING OF DECAL

- Cut off the decals along the cutout line with scissors.
- Do not apply it abruptly. Convince yourself of the position by trying the decals with the backing paper on.
- Be careful not to have air bubbles left. Try to center to the periphery. (particular be cautious with a large decal.)

Top

Bottom



(1) Align the decal with the body.

Cut off the decal according to the wheel well.

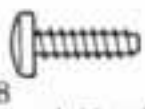
Before applying the decal, confirm the points (1) and (2).

(2) Put the decal parallel to the body line.

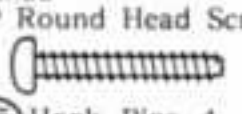
Cut off the decal according to the wheel well.

21 INSTALLATION OF BODY MOUNT

- M3x10 TP Bind Screws...6



- M3x28 TP Round Head Screws...2



- (135) Hook Pins...4

[Front]

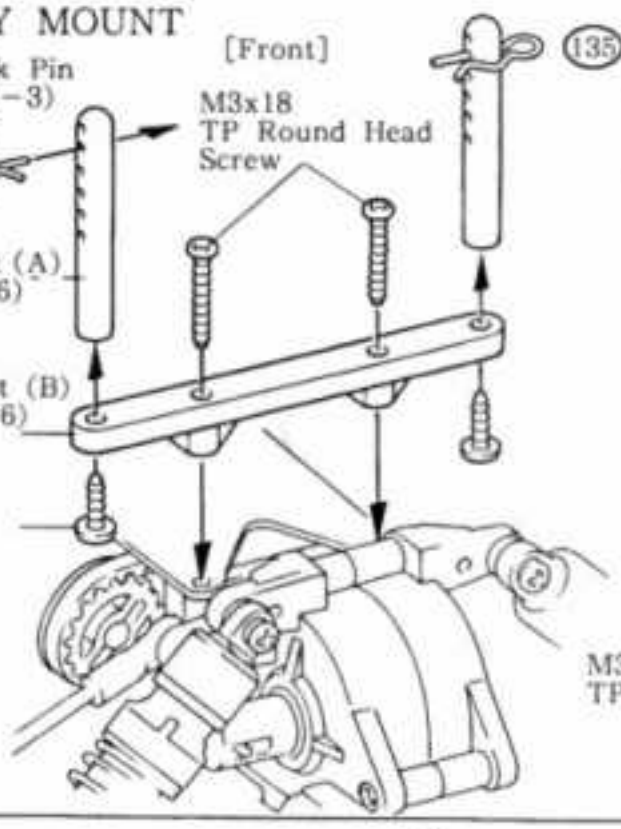
(135) Hook Pin (FRS-3)

M3x18 TP Round Head Screw

(131) Body Mount (A) (FRS-6)

(132) Body Mount (B) (FRS-6)

M3x10 TP Bind Screw



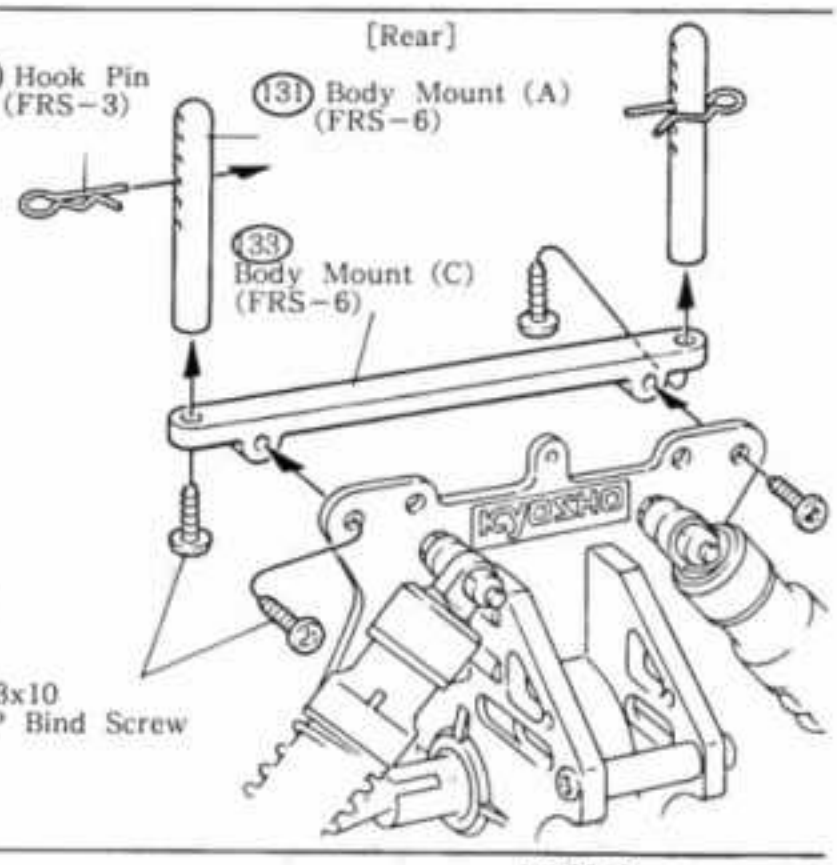
[Rear]

(135) Hook Pin (FRS-3)

(131) Body Mount (A) (FRS-6)

(33) Body Mount (C) (FRS-6)

M3x10 TP Bind Screw

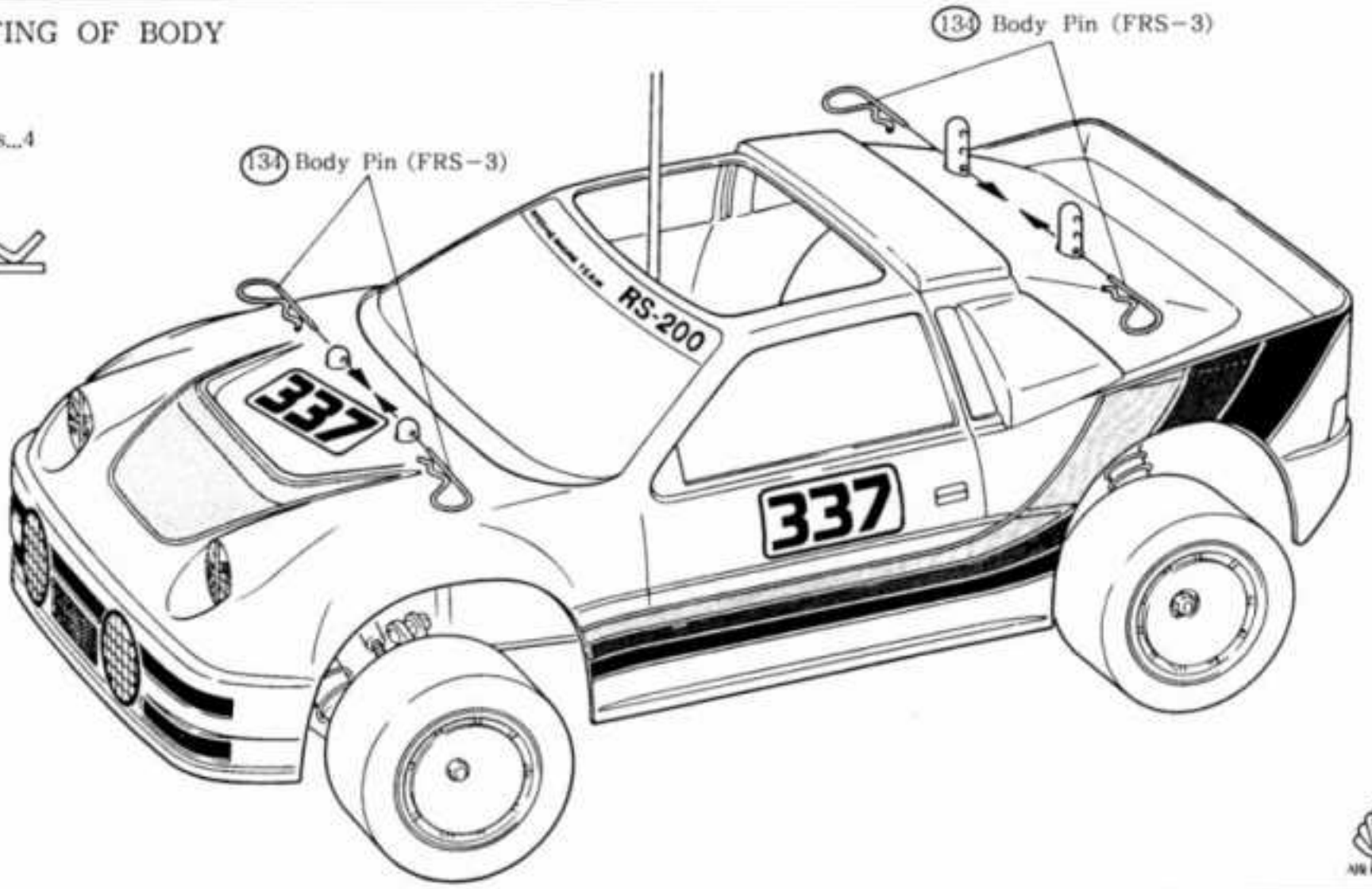


22 MOUNTING OF BODY

(134) Body Pins...4

(134) Body Pin (FRS-3)

(134) Body Pin (FRS-3)



STARTING ENGINE (1)

• The following things should be prepared to start and engine.

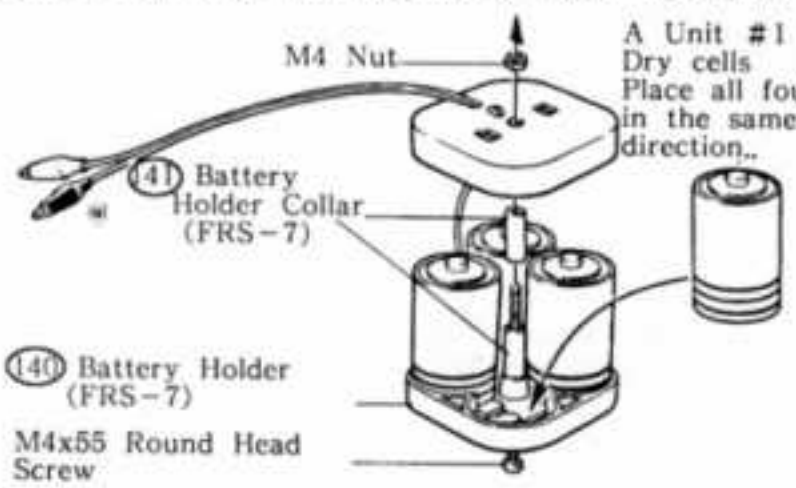
4 Unit #1 (D-size) Dry cells.

Glow Fuel, a can of 1 liter or 2.
*Gasoline or kerosene cannot be used.

Kyosho offers a excellent R/C Model fuel "K & B Handy Fuel", which is produced under strict quality control in the U.S.A. boasting the No.1 share in the world with high purity, high quality. The fuel will allow the engine to disply its full power and keep it from rust.

• Now you start the engine. Follow the procedures.

1 Fit the dry cells into the battery holder as shown.



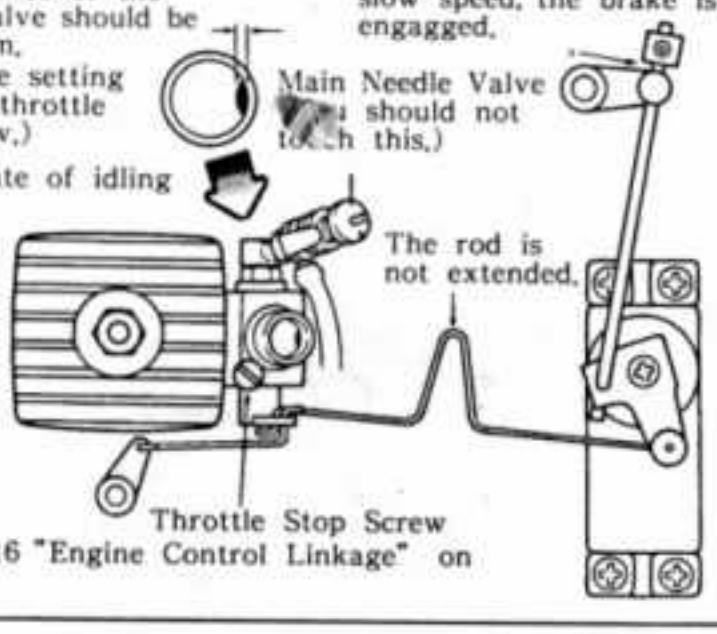
2 Set the throttle valve to idling position and check to see if the brake is engaged or not.

The clearance of the throttle valve should be about 1mm.
Adjust the setting with the throttle stop screw.)

When the engine is set at a slow speed, the brake is not engagged.

Main Needle Valve (You should not touch this.)

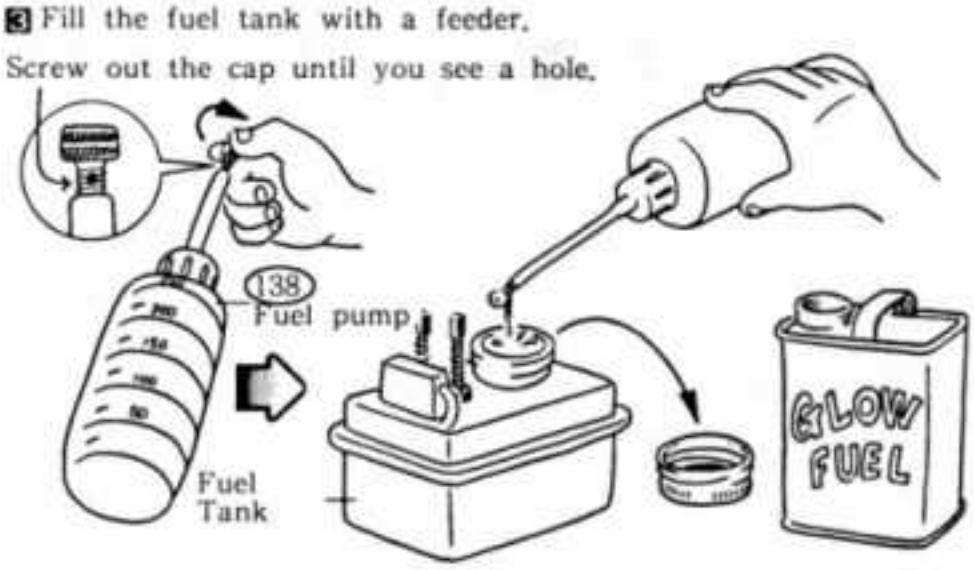
In the state of idling (Slow)



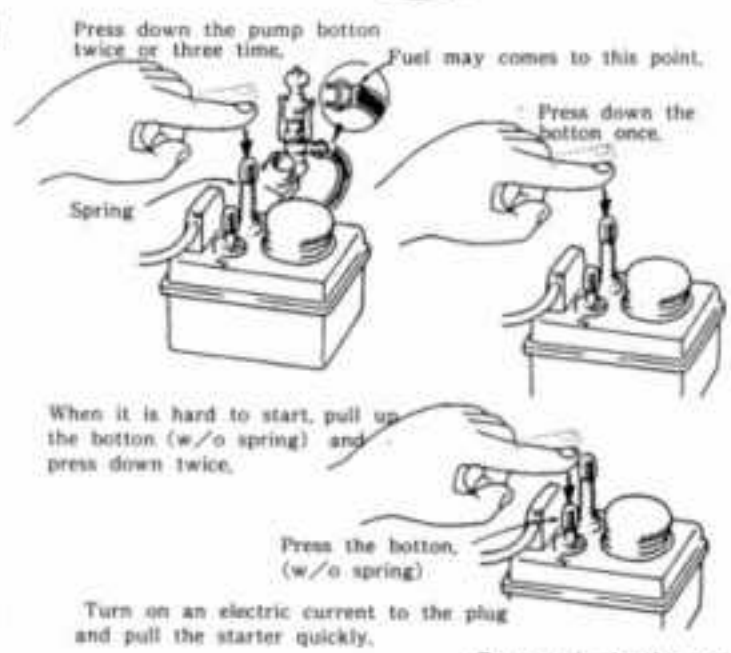
Refer to 16 "Engine Control Linkage" on page 9.

3 Fill the fuel tank with a feeder.

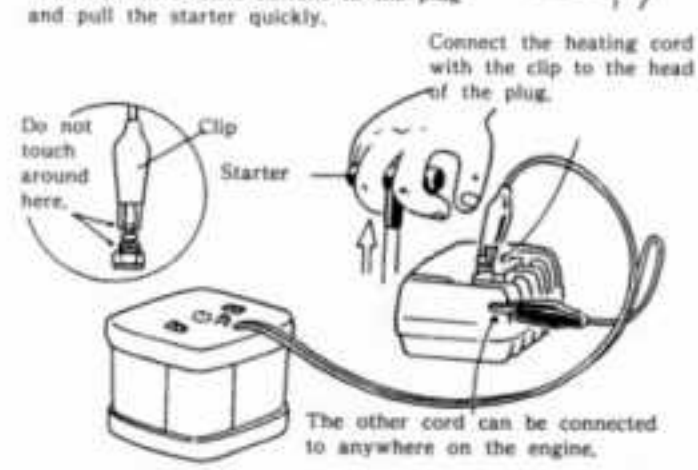
Screw out the cap until you see a hole.



4

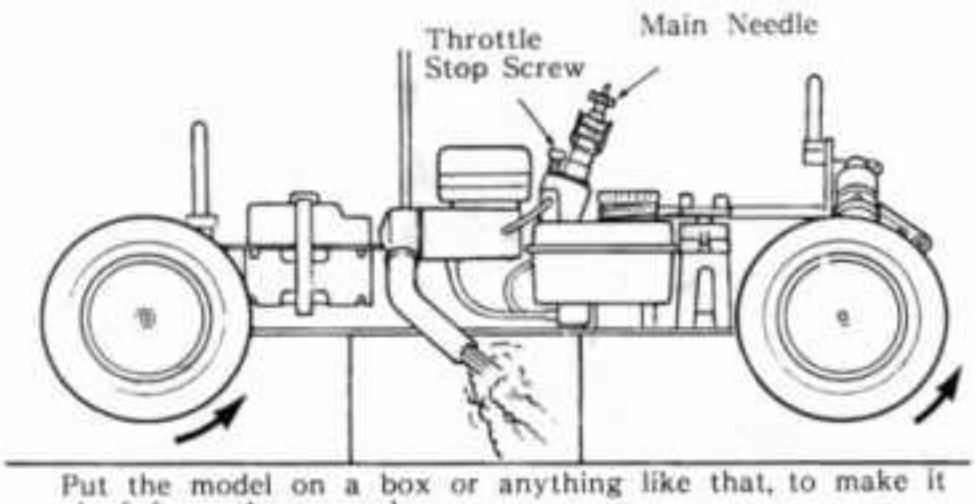


5 Turn on an electric current to the plug and pull the starter quickly.

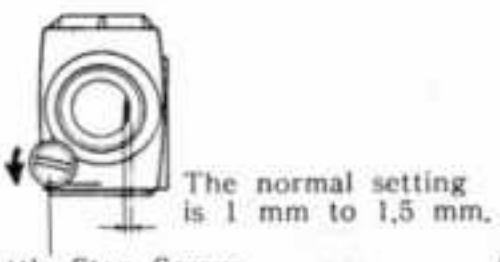


STARTING ENGINE (2)

6 When the engine starts running, disconnect the clips and take a look at its idle-running. If the idle-running is too fast, the wheels may begin to rotate. If it is too slow, the engine will discontinue to run.

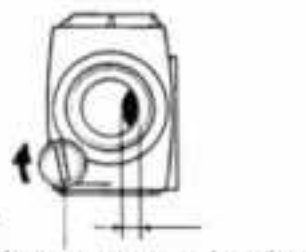


Put the model on a box or anything like that, to make it aloof from the ground.



The normal setting is 1 mm to 1,5 mm.

Throttle Stop Screw
(By screwing it out, the rate of rotation decreases.)



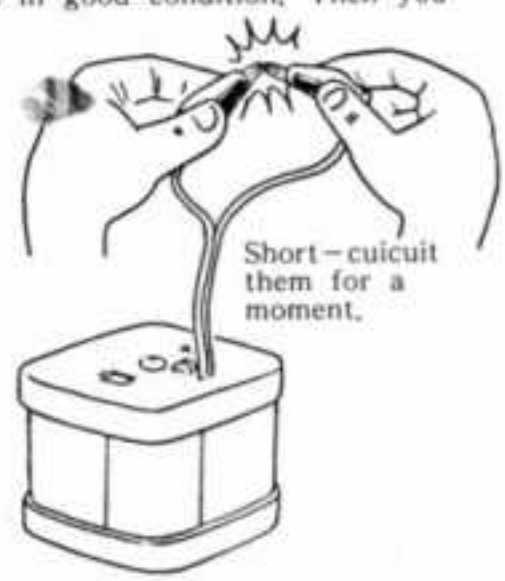
(By screwing in, the engine revs up.)

When the engine does not start...

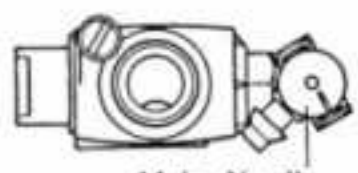
7 Repeat the process 4 and 5.

8 In case the engine still does not start, remove the plug and electrify it. If it does not become red-hot, one of the following causes is conceivable ; the battery is discharged, poor contact in the electric circuit, the filament of the plug is burnt out. Try to brush the clips in a dark place, if you see a spark, the battery is in good condition. Then you should change the plugs.

If the filament becomes red-hot, try the steps 4 and 5 again.

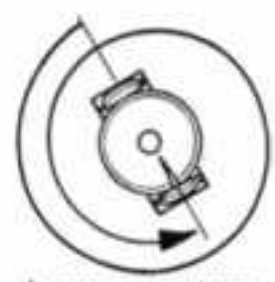


9 Check to see if the main needle valve is set properly. If it is out of adjustment, tighten it all the way and open it 1 1/2 turn.



Main Needle

Screw in as deep as you can.

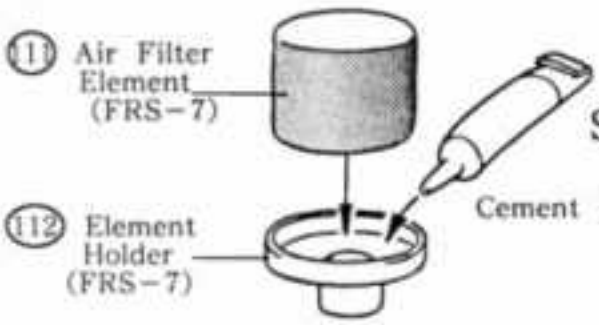


loosen one turn and a half.

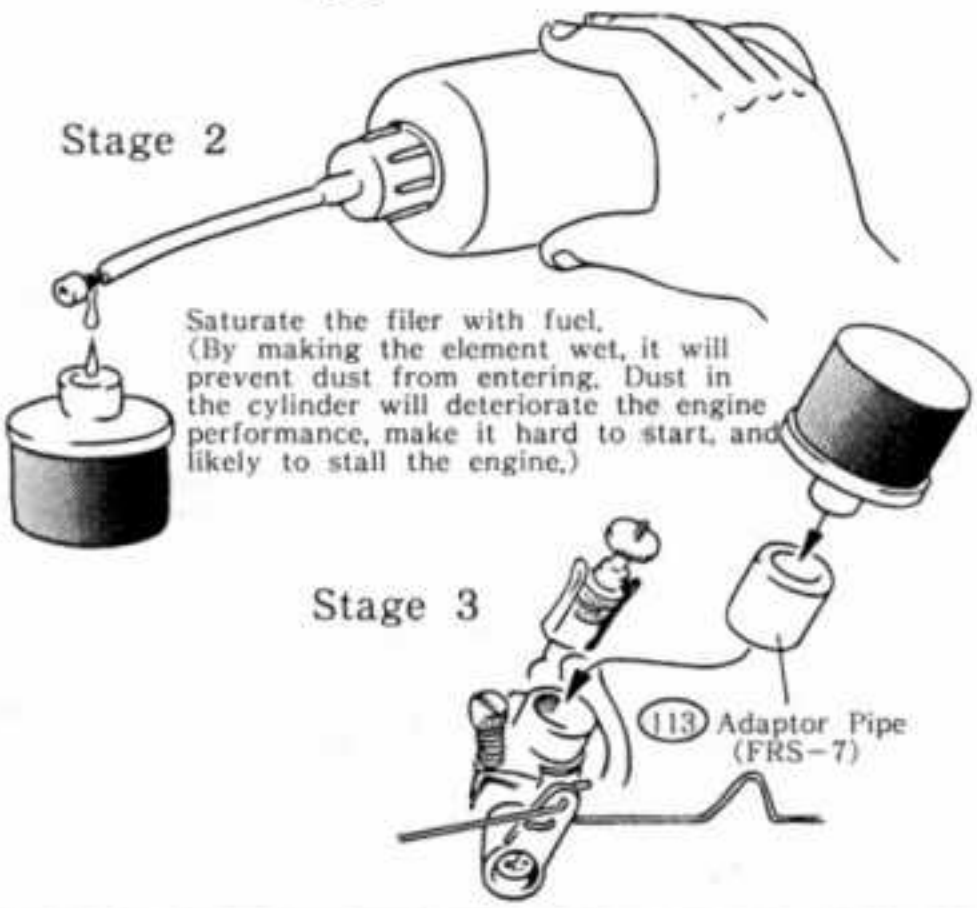
OPERATION GUIDE (1)

When the engine is tuned correctly, the car is ready to run.

1 Put an air filter to the carburetor.



Cement it with contact cement..



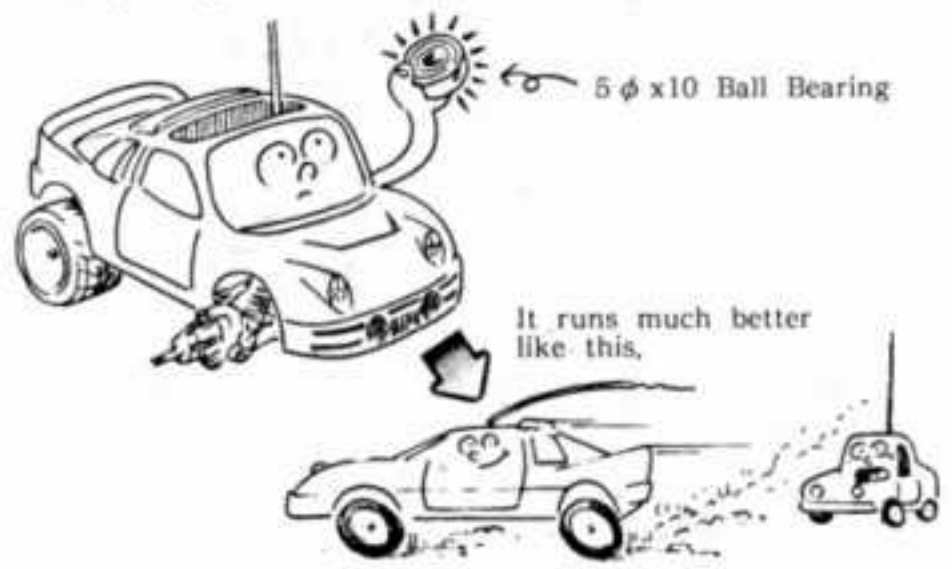
Saturate the filer with fuel.
(By making the element wet, it will prevent dust from entering. Dust in the cylinder will deteriorate the engine performance, make it hard to start, and likely to stall the engine.)

2 When you set the throttle lever to the high position, the engine stalls... In this case, screw out the main needle valve a little (1/3 to 1/2 turns.)

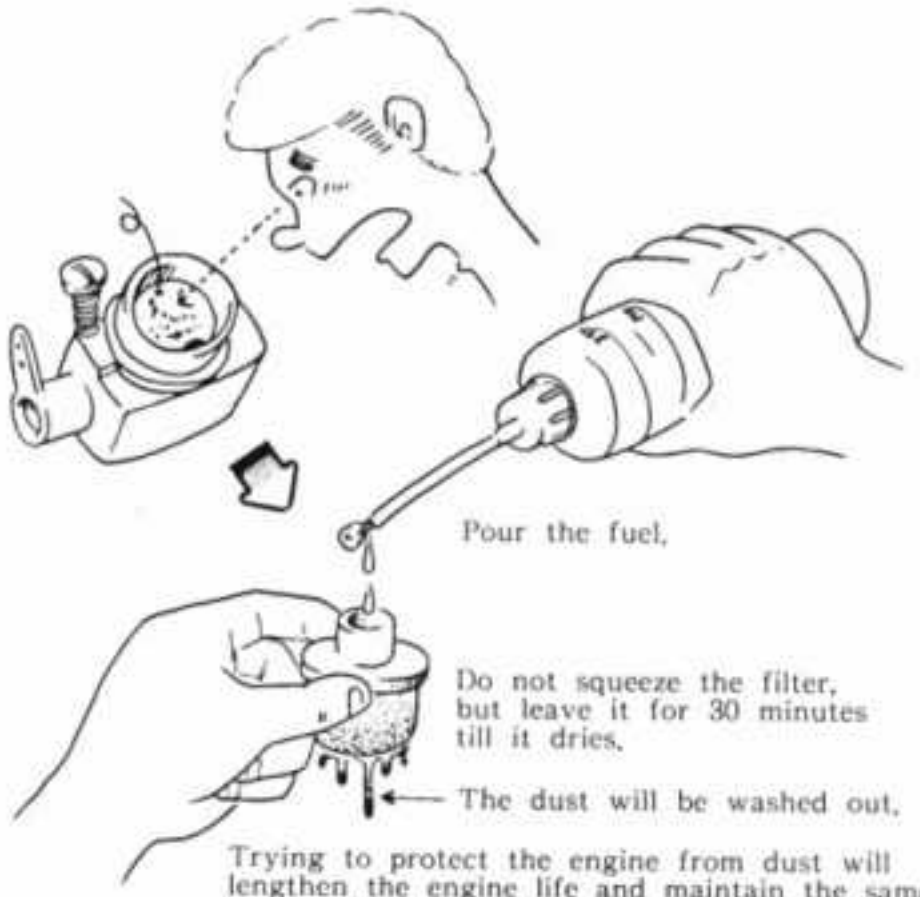
3 If the car runs slower than an electric car, close the main needle valve little by little (1/4 turns at a time.)

In case you close the main needle valve excessively, the engine will not rev up even when the throttle valve is set to high position. Open the needle valve 1/3 turns immediately.

4 If you drive your model car furiously, it is recommended to r eplace 14 plain bearings on the 5 mm shaft with the ball bearings (Item No.1901). You can expect your car run faster, too, by doing so.



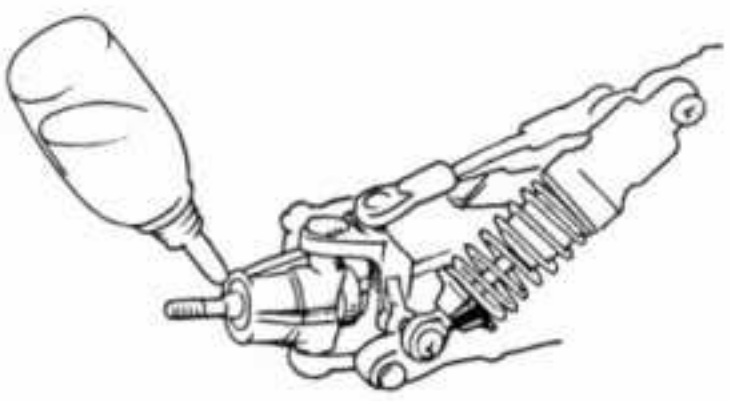
Always check the inside of the carburetor to see if there is any dust. A dusty carb means that the engine is in poor condition. Pour the fufel into the air filter and leave it until the alcohol is vaporized before refitting it.



Trying to protect the engine from dust will lengthen the engine life and maintain the same high perforamance for long time.

6 When the engine stalls while running, it may be hard to start again promptly. In such a case, wait till the engine cools down sufficiently and try to start it.

7 Oil the plate bearing portions from time to time.

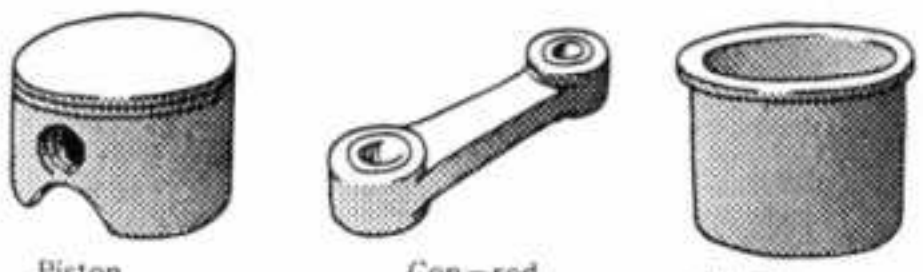


8 Overheating of the engine
The engine may be overheated when running over the places stated below, and the engine performance will deteriorate remarkably. Try not to run your car over a thickly grassy place or in a pebbly area with very bumpy surface. In a place where there is no possibility of annoying or endanger-ing others, you may run your model without attaching a tail pipe.

Very grassy place.

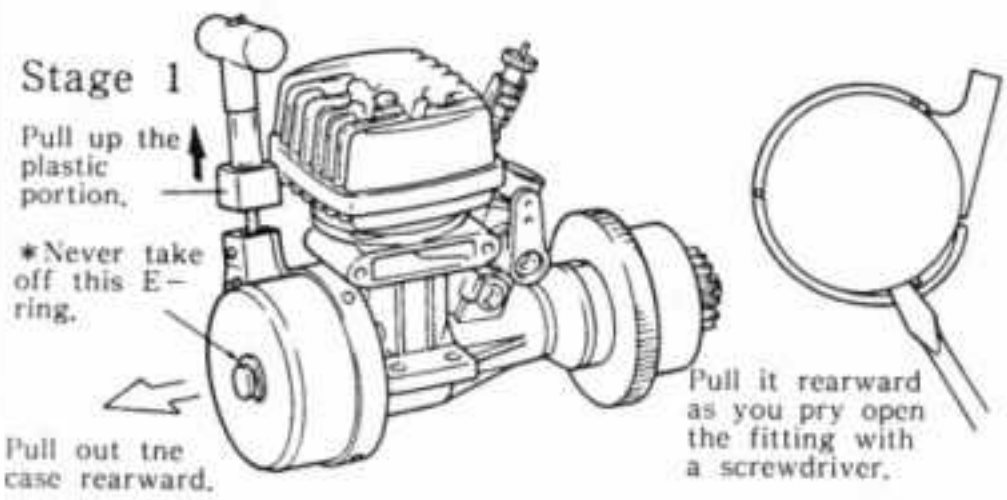
A bumpy surface where you cannot drive your car fast.

9 Span of engine life
What shortens the engine life are a dust in the engine and overheating. If you notice the engine is hard to start, or its idling is not stable, or it will not keep running without the heating cords attached to the engine, its life comes close to the end. Still you can restore an old engine by changing the piston, sleeve, and con-rod.

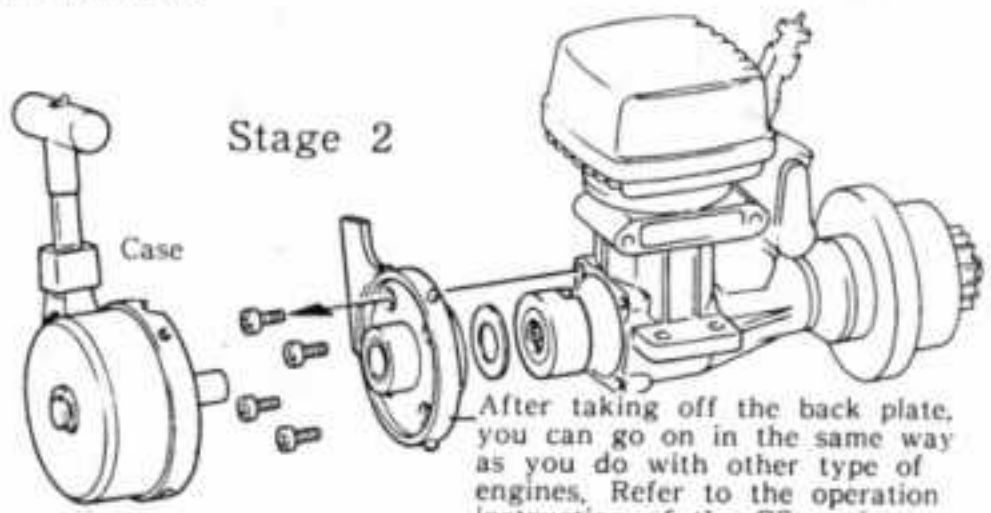


When renewing engine parts, you have to first remove the starter assembly. Disassemble it as shown below.

Stage 1



Stage 2



PARTS LIST

Key #	Parts Name	Q'ty	Key #	Parts Name	Q'ty	Key #	Parts Name	Q'ty
①	Bumper	1	㊿	Front Bulk Head (L)	1	㊾	Flat Spiral Spring	1
②	Tire	4	㊿①	Front Bulk Head (R)	1	㊽	Oneway Bearing	1
③	Wheel	4	㊿②	Fornt Housing	1	㊽①	Muffler	1
④	Front Wheel Shaft	2	㊿③	M2.6 Pillow Ball (Black)	2	㊽②	Muffler Cap	1
⑤	Swing Shaft	4	㊿④	M3 Pillow Ball (Silver)	12	㊽③	Muffler Gasket (A)	1
⑥	Drive Washer	4	㊿⑤	Ball End	12	㊽④	Muffler Gasket (B)	1
⑦	Joint Cap	4	㊿⑥	Ball End Rod	6	㊽⑤	Exhaust Valve	1
⑧	Final Diff. Case (A)	2	㊿⑦	Slider	1	㊽⑥	Valve Shaft	1
⑨	Final Diff. Case (B)	2	㊿⑧	Servo Saver (A)	1	㊽⑦	O Ring (P-3)	2
⑩	Bevel (A)	6	㊿⑨	Servo Saver (B)	1	㊽⑧	E Ring (E-2.5)	13
⑪	Bevel (B)	6	㊿⑩	Servo Saver Shaft	1	㊽⑨	Nozzle	1
⑫	Bevel Shaft	3	㊿⑪	Servo Saver Spring	1	㊾⓪	Tail Pipe	1
⑬	Final Pinion	2	㊿⑫	E Ring (E-5)	1	㊾①	Air Filter Element	1
⑭	Pin (2 ϕ x11)	4	㊿⑬	Center Diff. Mount (A)	1	㊾②	Element Holder	1
⑮	Timing Pully (A)	2	㊿⑭	Center Diff. Mount (B)	1	㊾③	Adaptor Pipe	1
⑯	Timing Pully (B)	2	㊿⑮	Joint Collar (Short)	2	㊾④	Valve Rod	1
⑰	Belt	2	㊿⑯	Joint Collar (Long)	1	㊾⑤	Throttle Rod	1
⑱	Front Counter Shaft	1	㊿⑰	Disc Plate	1	㊾⑥	Linkage Rod	2
⑲	Rear Counter Shaft	1	㊿⑱	Brake Pat (A)	1	㊾⑦	2 ϕ Linkage Guide	1
⑳	Joint	2	㊿⑲	Brake Pat (B)	1	㊾⑧	3 ϕ Linkage Guide	1
㉑	E Ring (E-4)	5	㊿⑳	Brake Cam Shaft	1	㊾⑨	Rod Stopper	2
㉒	Center Diff. Case (A)	1	㊿㉑	Brake Cam	1	㊿⓪	8 ϕ x14 Ball Bearing	6
㉓	Center Diff. Case (B)	1	㊿㉒	Brake Horn	1	㊿①	5 ϕ x10 Plane Bearing	14
㉔	Front Shock Case	2	㊿㉓	Rear Bulk Head (L)	1	㊿②	Chassis	1
㉕	Rear Shock Case	2	㊿㉔	Rear Bulk Head (R)	1	㊿③	Chassis Cover	1
㉖	Shock Cap	4	㊿㉕	Rear Housing	1	㊿④	R/C Radio Plate	1
㉗	Shock Ring	4	㊿㉖	Shock Stay	1	㊿⑤	Joint Rod	1
㉘	Spring Holder	4	㊿㉗	Rear Hub (L)	1	㊿⑥	Strap	1
㉙	Spring Spacer	4	㊿㉘	Rear Hub (R)	1	㊿⑦	Fuel Tank	1Set
㉚	Pressure Top	4	㊿㉙	5.8 ϕ Ball	2	㊿⑧	Fuel Pipe	3
㉛	Shock Piston	4	㊿㉚	Servo Mount	4	㊿⑨	Antenna Holder	1
㉜	Front Shock Shaft	2	㊿㉛	Radio Plate Post (A)	1	㊾⑧	Antenna	1
㉝	Rear Shock Shaft	2	㊿㉜	Radio Plate Post (B)	1	㊾⑨	Body Mount (A)	4
㉞	Shock End	4	㊿㉝	Engine Mount	2	㊿⓪	Body Mount (B)	1
㉟	Front Shock Spring	2	㊿㉞	Clutch Bell	1	㊿①	Body Mount (C)	1
㊱	Rear Shock Spring	2	㊿㉟	Clutch Shoe	2	㊿②	Body Pin	4
㊲	Rear Wheel Shaft	2	㊿㊱	Clutch Spring	1	㊿③	Hook Pin	4
㊳	Knuckle Arm (R)	1	㊿㊲	Pilot Shaft	1	㊿④	Plug Wrench	1
㊴	Knuckle Arm (L)	1	㊿㊳	Flywheel	1	㊿⑤	Body (Ford RS-200)	1
㊵	King Pin	4	㊿㊴	Flywheel Spacer	1	㊿⑥	Fuel Pump	1
㊶	Front Hub (R)	1	㊿㊵	Clutch Bearing Case	1	㊿⑦	Shock Oil	1
㊷	Front Hub (L)	1	㊿㊶	Clutch Roller	6	㊿⑧	Battery Holder	1Set
㊸	Front Sus. Arm	2	㊿㊷	E Ring (E-7)	1	㊿⑨	Battery Holder collar	2
㊹	Rear Sus. Arm	2	㊿㊸	Starter Holder	1	㊾⓪	Decal	1
㊺	Sus. Shaft (A) (Silver)	2	㊿㊹	Stater Case	1	㊾①	Hex Key (1.5)	1
㊻	Sus. Shaft (B) (Black)	2	㊿㊺	Starter Grip	1	㊾②	Hex Key (2)	1
㊼	Sus. Shaft (C)	2	㊿㊻	Starter Guide	1	㊾③	Shock Bush	4
㊽	Sus Shaft (D)	2	㊿㊼	Stater Pulley	1	㊾④	Front Sus. Plate	1
㊾	Shaft Holder	1	㊿㊽	Starter Rope	1	㊾⑤	E Ring (E-3)	1

PURCHASABLE PARTS FOR YOUR KIT

You can purchase replacement optional parts for your kit. All of the part 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 that part whith the manual.

Then consult out part pack guide below. When referring to the parts you need, always use the Parts Pack Number. For example, if you need a King Pin (Key #40) ask your dealer for Kyosho Part Pack OT-4 (King Pin).

No.	Parts Name	Key No. & Q'ty
OT-4	King Pin	㊵×4
OT-5	Joint	⑦×2
OT-6	Swing Shaft	⑤×2
OT-11	Sus. Shaft	㊸ ㊹ ㊷ ㊺×2
OT-16	Knuckle Arm	㊽ ㊾×1
OT-17	Front Shaft	④×2
OT-18	Rear Shaft	㉜×2
OT-19	Drive Washer	⑥×4
OT-28	Diff. Gear Set	⑬×2 ⑭ ⑪×4
OT-31	M3 Pillow Ball	㊽×10
OT-32	5.8 φ Ball	㊼×10
OT-35	Upper Rod Set	㊻×4 ㊺×8
OT-36	M2.6 Pillow Ball	㊺×10
OT-39	E Ring (E2-5)	㊽×10
OT-42	Servo Saver Set	㊽ ㊾ ㊽ ㊶ ㊷×1
OT-45	Rear Hub	㉗ ㉘×1
OT-55	Front Hub Set	㊶ ㊷×1
OT-69	Sus. Arm Set	㊸ ㊹×2
EP-22	Hook Pin	㊽×5
1911	8 φ x14 Bearing	㊾×2
1889	Body Pin	㊽×5
W-5053	Tire (Radial Pattern)	②×2
AB-12	Air Filter	㊿ ㊽ ㊽×1
AB-14	Pilot Shaft (For OS)	㊼ ㊼ ㊽×1
AB-15	Clutch Shoe	㊽×2
AB-16	Clutch Bell	㊽×1
AB-17	Clutch Spring	㊽×4
EF-39	NiCd Strap	㊽×6
LD-70	Clutch Bearing	㊾×1 ㊶×6
SD-79	Antenna Pipe	㊽×5
KC-20	E Ring (E4)	㉑×5
FD-1	Bumper	①×1
FD-2	Wheel	③×4
FD-3	Belt	⑫×1
FD-4	Final Diff. Case	⑧ ⑨×1
FD-5	Center Diff. Case	㉒ ㉓×1
FD-6	Final Pinion	⑩×1
FD-7	Timing Pully	⑮ ⑯ ㊽×1 ⑰×2
FD-8	Front Counter Shaft	㉙×1
FD-9	Rear Counter Shaft	㉚×1
FD-10	Joint	㉘×2
FD-11	Shaft Holder	㊹×1
FD-12	Front Bulk Head	㊾ ㊶ ㊷×1
FD-13	Slider Set	㉑ ㊽ ㊽×1
FD-14	Center Diff Mount	㊸ ㊽×1
FD-15	Chassis Set	㊸ ㊾ ㊽×1 ㊽×2

No.	Parts Name	Key No. & Q'ty
FD-16	Brake Parts	㊷ ㊽ ㊸ ㊹×1
FD-17	Servo Mount Set	㉑ ㉒ ㊸ ㊹×1 ㊽×4
FD-18	Rear Bulk Head	㉕ ㉖ ㉔×1
FD-19	Rear Shock Stay	㉖×1
FD-20	Engine Mount	㊸×2
FD-21	Flywheel Set	㊽㊽×1
FD-22	Starter Holder	㊽×1
FD-23	Starter Assembly	㊽ ㊽ ㊽ ㊷ ㊽ ㊽×1
FD-24	Oneway Assembly	㊽×1
FD-25	Muffler Assembly	㊽ ㊽ ㊽ ㊽ ㊽ ㊽ ㊽ ㊽×1 ㊽×2
FD-26	5 φ x10 Plane Bearing	㊽×10
FD-27	Chassis	㊽×1
FD-28	Fuel Tank	㊽×1
FD-29	Fuel Tube	㊽×2
FD-30	Battery Holder	㊽ ㊽×1
FD-31	Screw Set	
FD-32	Body Mount	㊽ ㊽×1 ㊽×4
FD-33	Tail Pipe	㊽×1
FD-34	Body (RS-200)	㊽×1
FD-35	Decal (RS-200)	㊽×1
FD-36	Linkage set	㊽ ㊽ ㊽ ㊽×1 ㊽ ㊽×2
FD-37	Black Shock (S)	㊸㊽㉑㊸㊽㊽㊽㊽㊽㊽×2
FD-38	Black Shock (L)	㊸㊽㉑㊸㊽㊽㊽㊽㊽㊽×2

OPTIONAL PARTS

KC-18	3 φ Stopper	Steel
SD-53	Clutch Bell (12T)	Steel
SD-54	Clutch Bell (13T)	Steel
SD-55	Clutch Bell (14T)	
SD-60	Clutch Bearing	
OT-99	Wing Stay	
OT-107	Wing	
W-5001	Pressure Shock (S)	
W-5002	Pressure Shock (L)	
W-5003	Adjustable Shock (S)	Easy adjustable damping force
W-5004	Adjustable Shock (L)	Easy adjustable damping force
W-5005	Special Rod Set	One touch adjustable
W-5031	Low Profile Tire (Hard)	For Hard Truck
W-5032	Low Profile Tire (Shoft)	For Soft Truck
W-5061	Universal Swing Shaft	For smooth drive
1901	5 φ x10 Bearing	2 pcs.
1953	Silicon Oil (S)	Soft
1954	Silicon Oil (M)	Medium
1955	Silicon Oil (H)	Hard
AB-13	Pilot Shaft	For Enya

The Super Hobby

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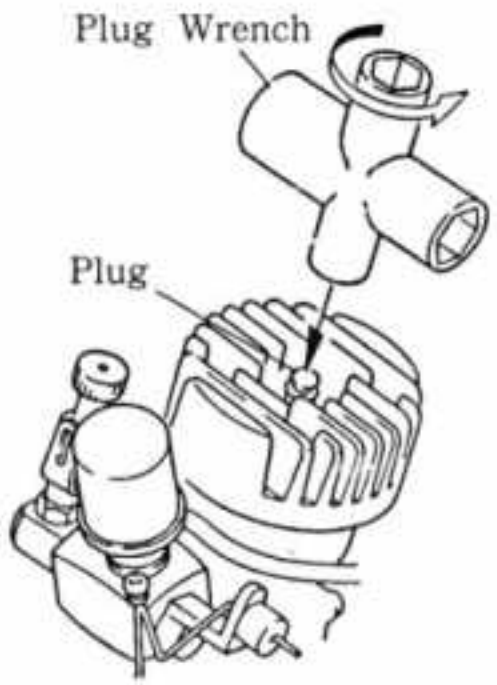
PRINTED IN JAPAN

No. 3013

* WHEN STARTING AN ENGINE *

Even if the starter rope is much more resistable to pull up, it does not mean that the engine is out of order. But excessive amount of fuel is fed into the cylinder. This called a state of "flooded".

Remove the glow plug with a plug wrench and pull up the starter rope ten to twenty times with quick pulling to discharge the excessive fuel.



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