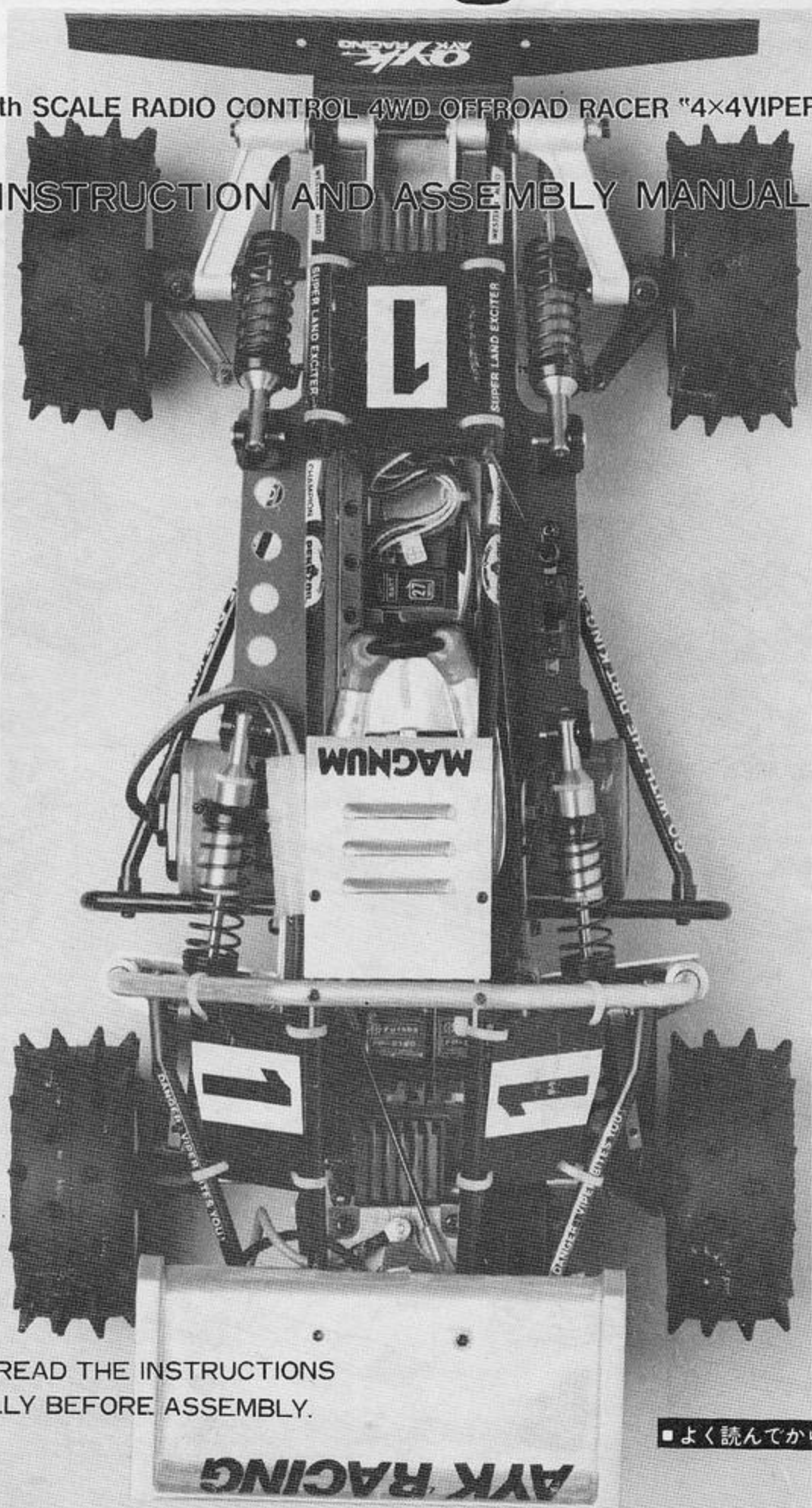


4x4Viper

10th SCALE RADIO CONTROL 4WD OFFROAD RACER "4x4VIPER"

INSTRUCTION AND ASSEMBLY MANUAL



PLEASE READ THE INSTRUCTIONS
CAREFULLY BEFORE ASSEMBLY.

■よく読んでから走らせよう。

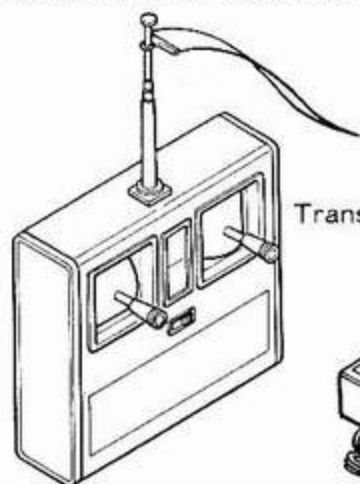
AYK RACING

4x4Viper

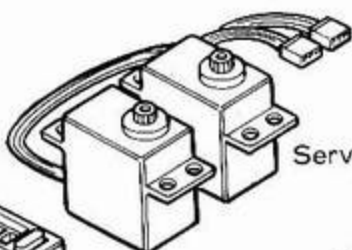
PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE ASSEMBLY.

NECESSARY ITEMS FOR ASSEMBLY

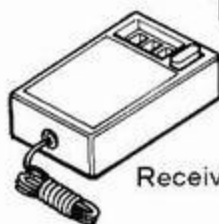
(not included in kit)



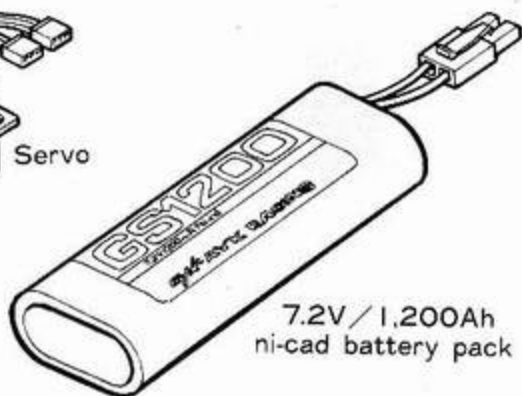
Transmitter



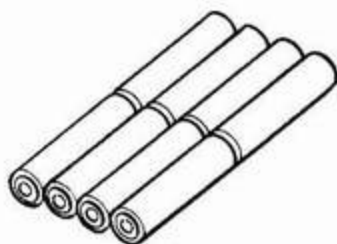
Servo



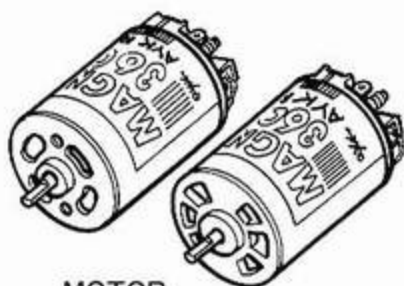
Receiver



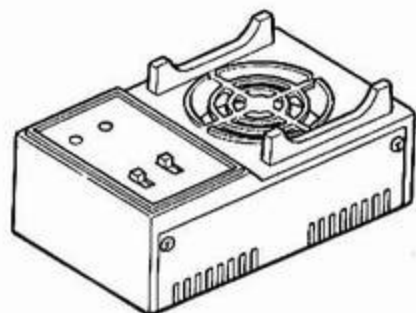
7.2V/1.200Ah
ni-cad battery pack



Battery for radio



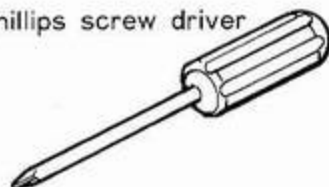
MOTOR



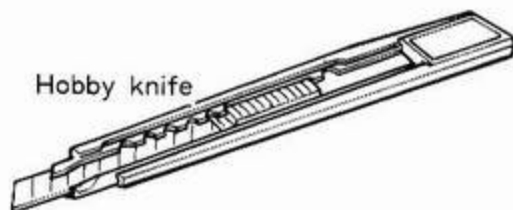
Quick charger

TOOLS REQUIRED FOR ASSEMBLY

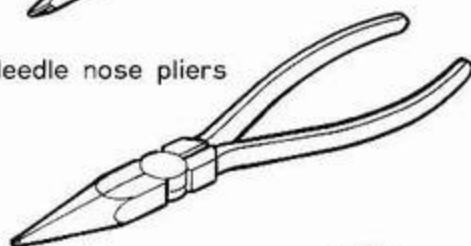
Phillips screw driver



Hobby knife



Needle nose pliers



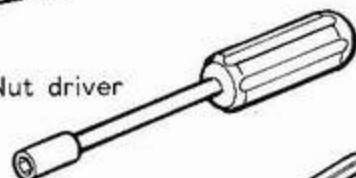
Tapered reamer



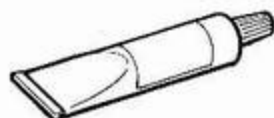
Acrylic paint



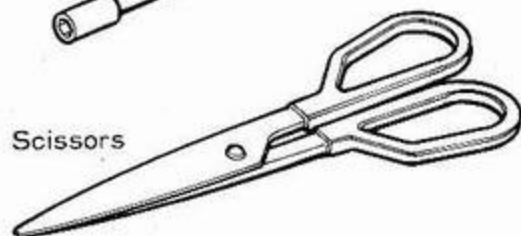
Nut driver



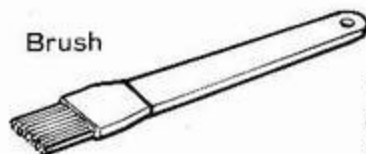
Liquid thread lock




Scissors



Brush

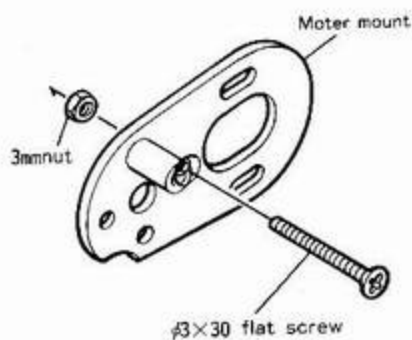


The soldering iron and solder are required for connecting of the motor cord.

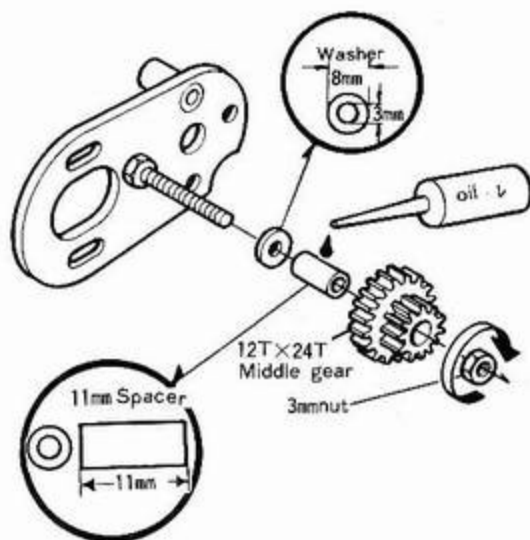
Parts required in this page are enclosed in  plastic bag.

1 Assembly of Rear Gear Case

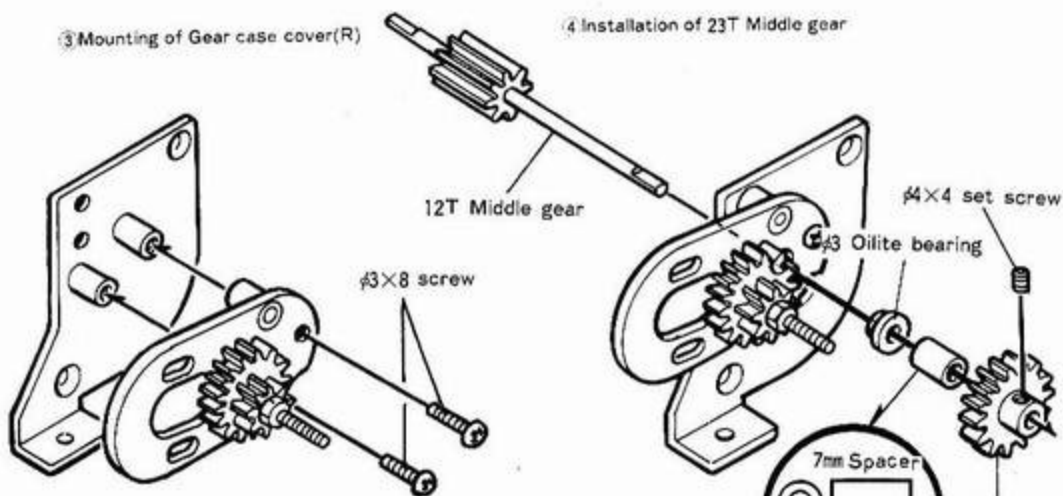
① Installation of Motor mount



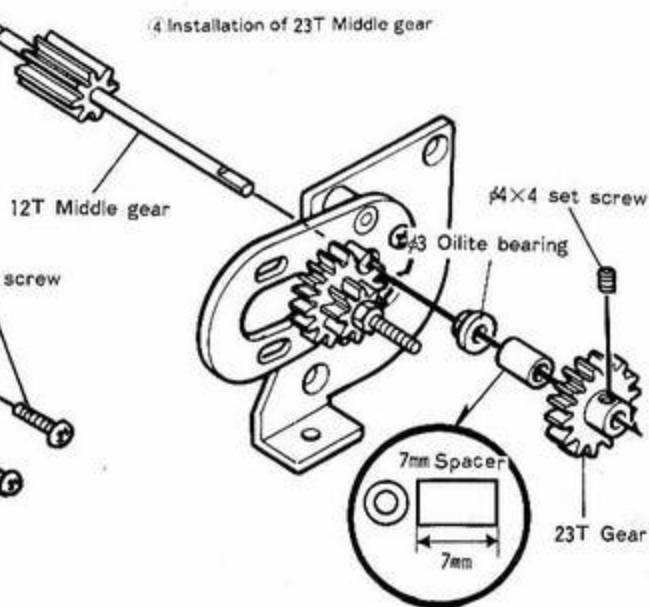
② Installation of 12Tx24T Middle gear



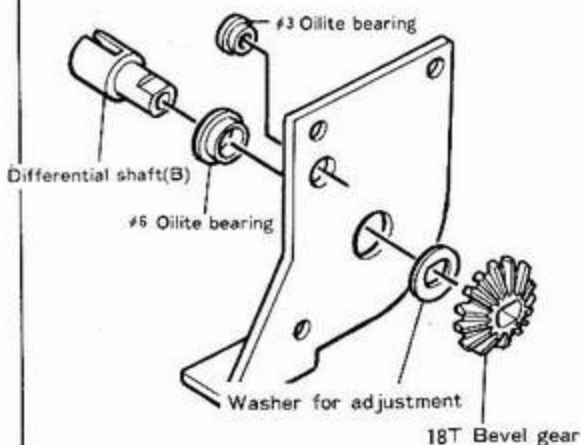
③ Mounting of Gear case cover(R)



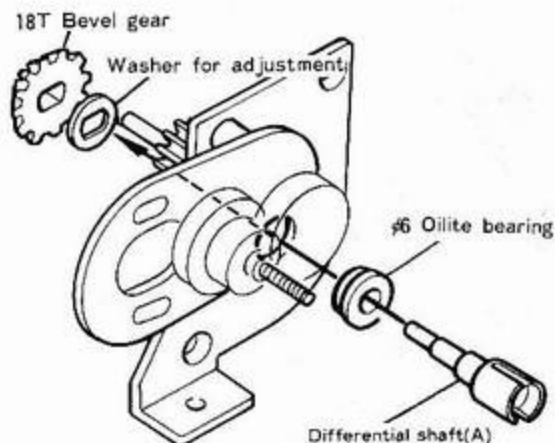
④ Installation of 23T Middle gear



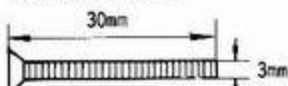
⑤ Installation of Gear case cover(L)



⑥ Installation of Differential gear shaft(A)



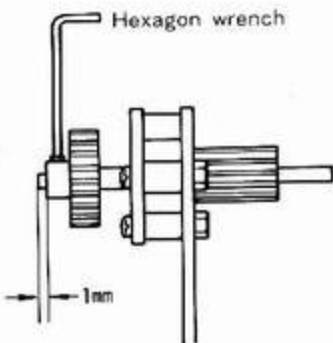
#3x30 flat screw



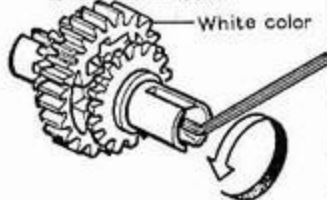
#3x8 screw



Hexagon wrench

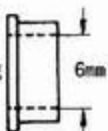


The 4x4mm set screw should be fixed at the flat place. Make sure to use correctly the front differential gear & rear differential gear. The rear differential gear is the White color.

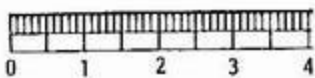
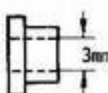


Differential shaft has been fixed with the 2x5mm cap screw. When disassembling, use wrench in the opposite to remove 2x5mm cap screw with 1.5mm Hexagon wrench.

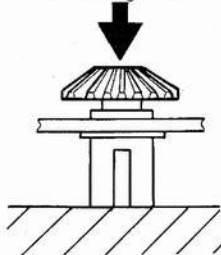
#6 Oilite bearing



#3 Oilite bearing



Insert firmly a bevel gear into the differential gear shaft.



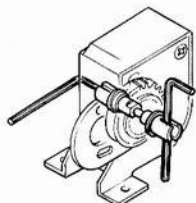
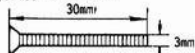
φ2×5 cap screw



φ3×8 flat screw



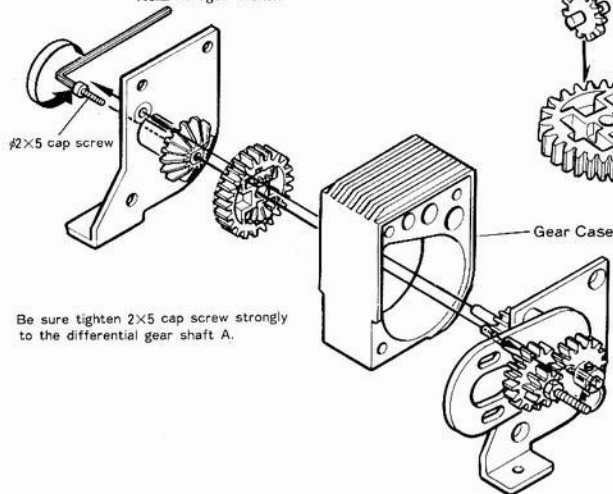
φ3×30 flat screw



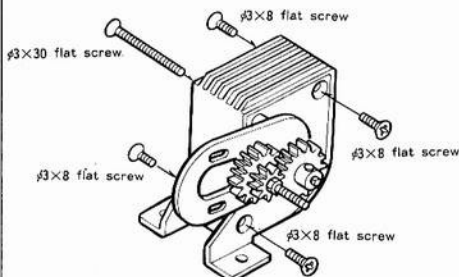
When fix the 2×5mm cap screw, insert the wrench for avoid turning of the differential A at the opposite side.

⑦ Assembly of Gear case

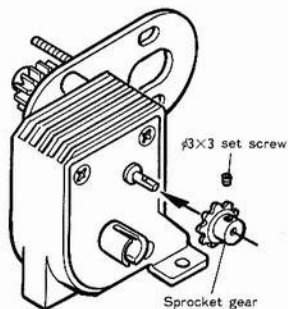
1.5mm hexagon wrench



Be sure tighten 2×5 cap screw strongly to the differential gear shaft A.



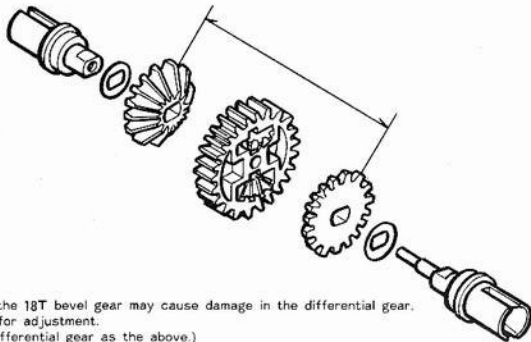
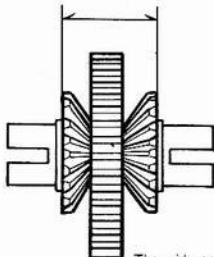
Be sure to check the moving of each gear smoothly.



Sprocket gear

DIRECTIONS FOR USE OF WASHER FOR DIFFERENTIAL GEAR

Washer for adjustment



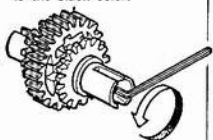
The wide space of the 18T bevel gear may cause damage in the differential gear. Insert the washers for adjustment. (Adjust the front differential gear as the above.)

Parts required in this page are enclosed in ① plastic bag

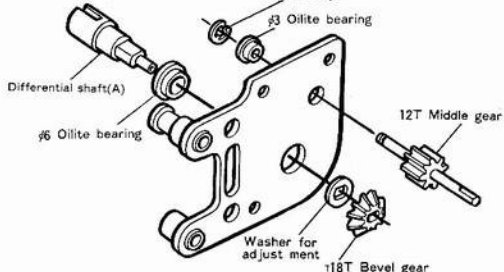
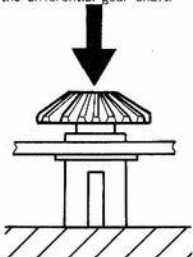
2 Assembly of Front Gear Case

① Mounting of Gear case cover(R) 2.5mm E-clip

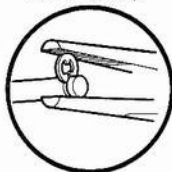
The front differential gear is the black color.



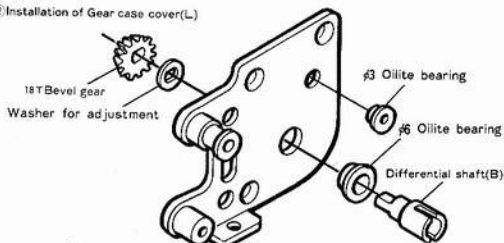
Insert firmly a bevel gear into the differential gear shaft.



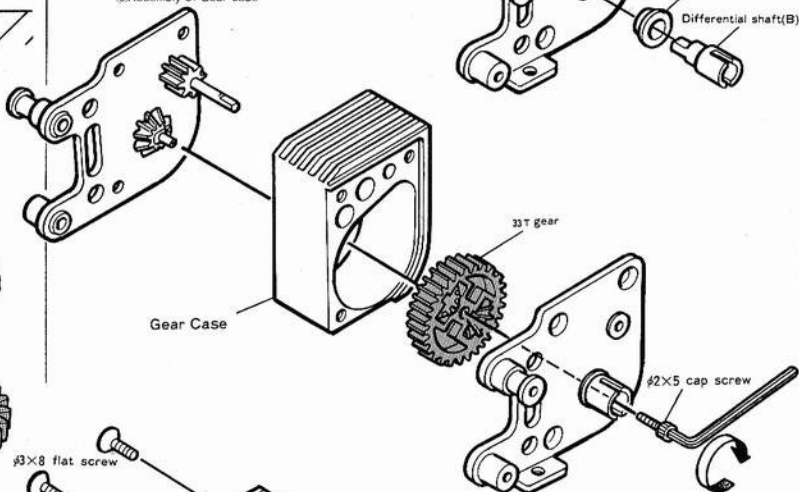
How to fix E-clip



② Installation of Gear case cover(L)

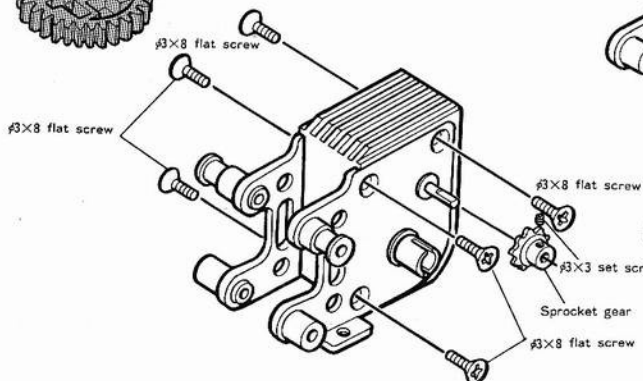


③ Assembly of Gear case



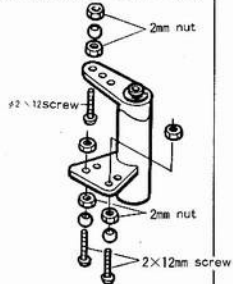
Gear Case

Be sure tighten 2x5 cap screw strongly to the differential gear shaft A.



Parts required in this page are enclosed in (A) plastic bag.

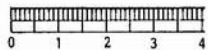
Installation of Servo Saver



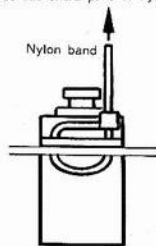
Assembly of Steering Rod and Tie Rod



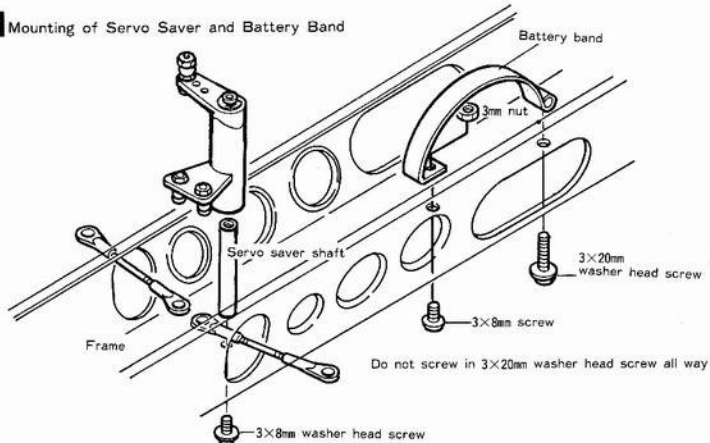
Assemble two sets of steering tie-rod.



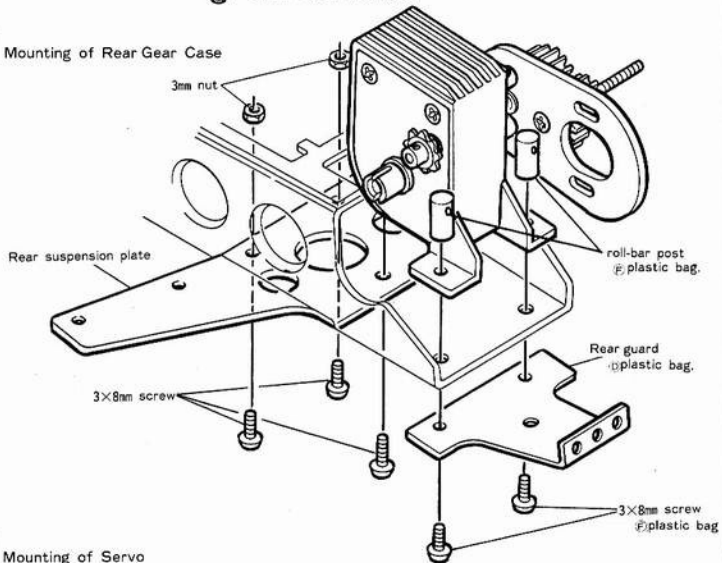
Cut out extra part of nylon band.



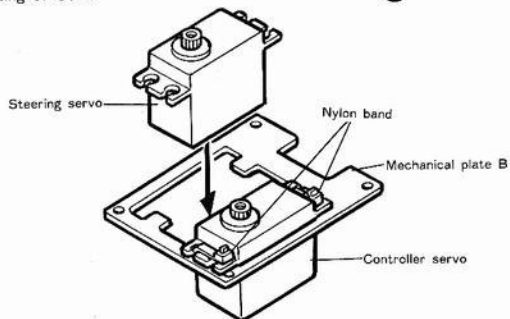
3 Mounting of Servo Saver and Battery Band




4 Mounting of Rear Gear Case

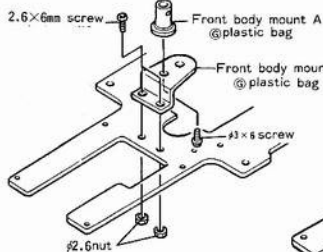


5 Mounting of Servo

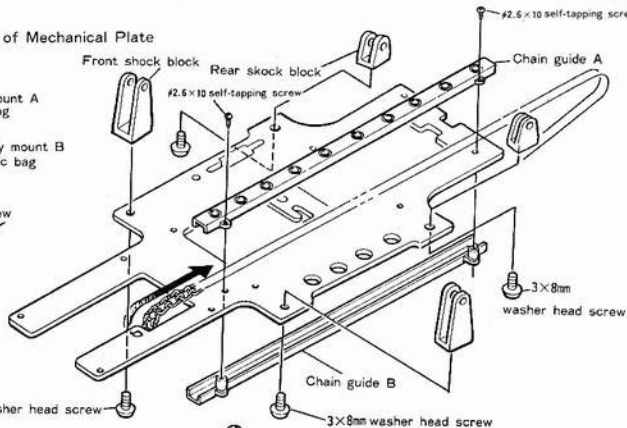


Use  bag from now on

6 Mounting of Mechanical Plate

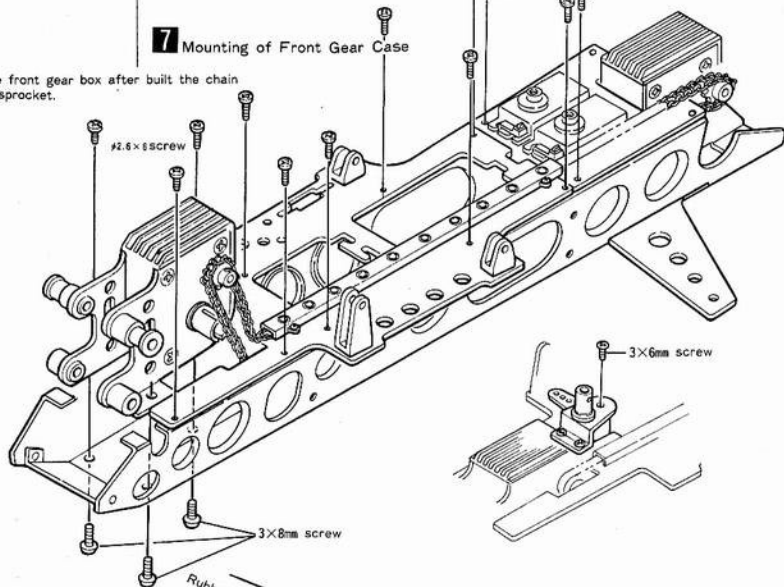


Use the front body mount A to the SHUTTLE only.



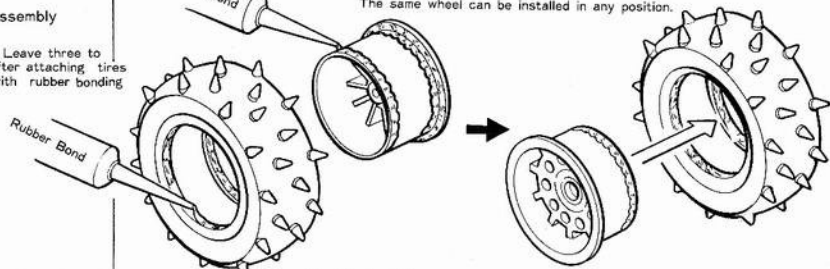
7 Mounting of Front Gear Case

Mount the front gear box after built the chain over the sprocket.

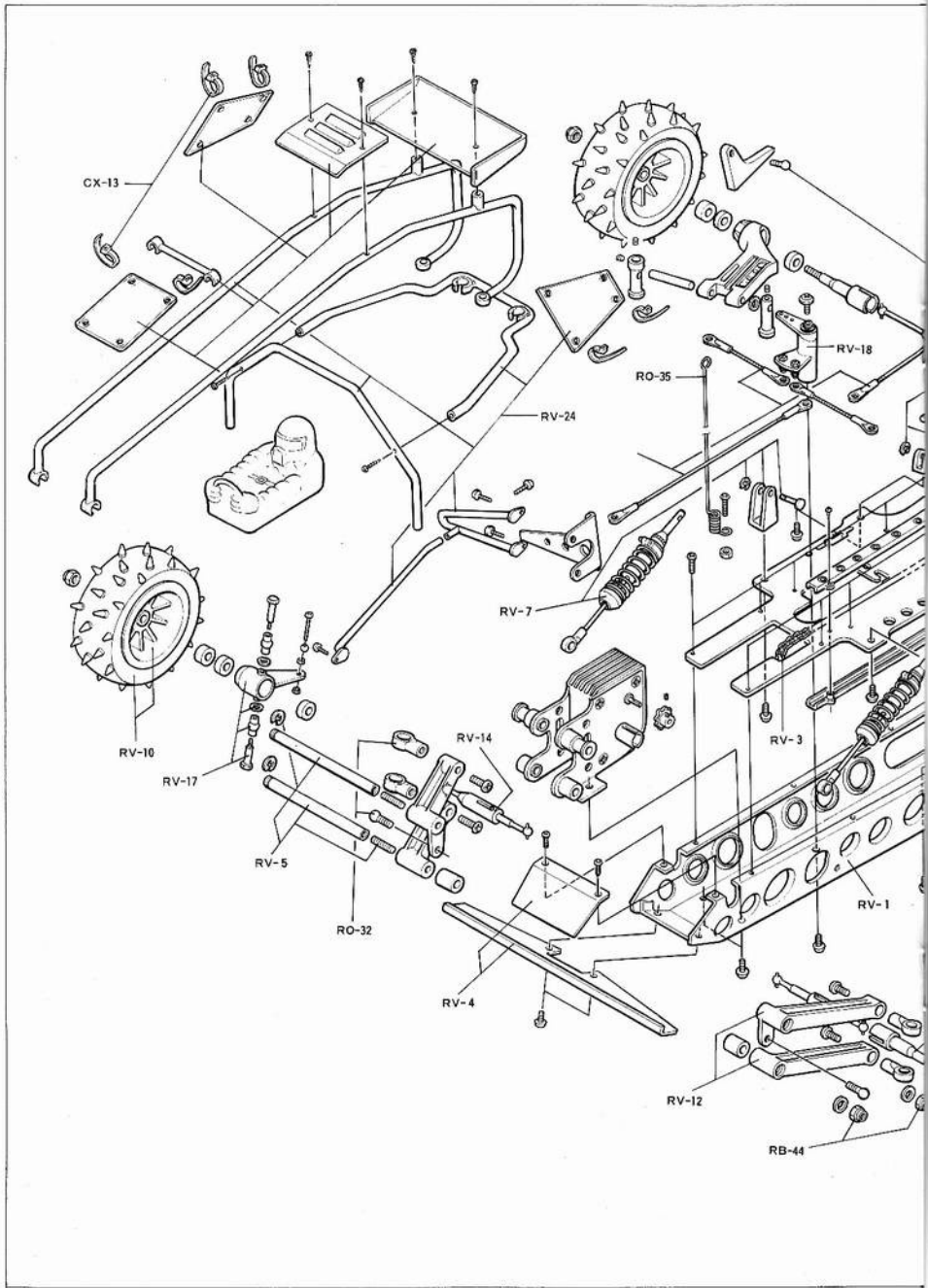


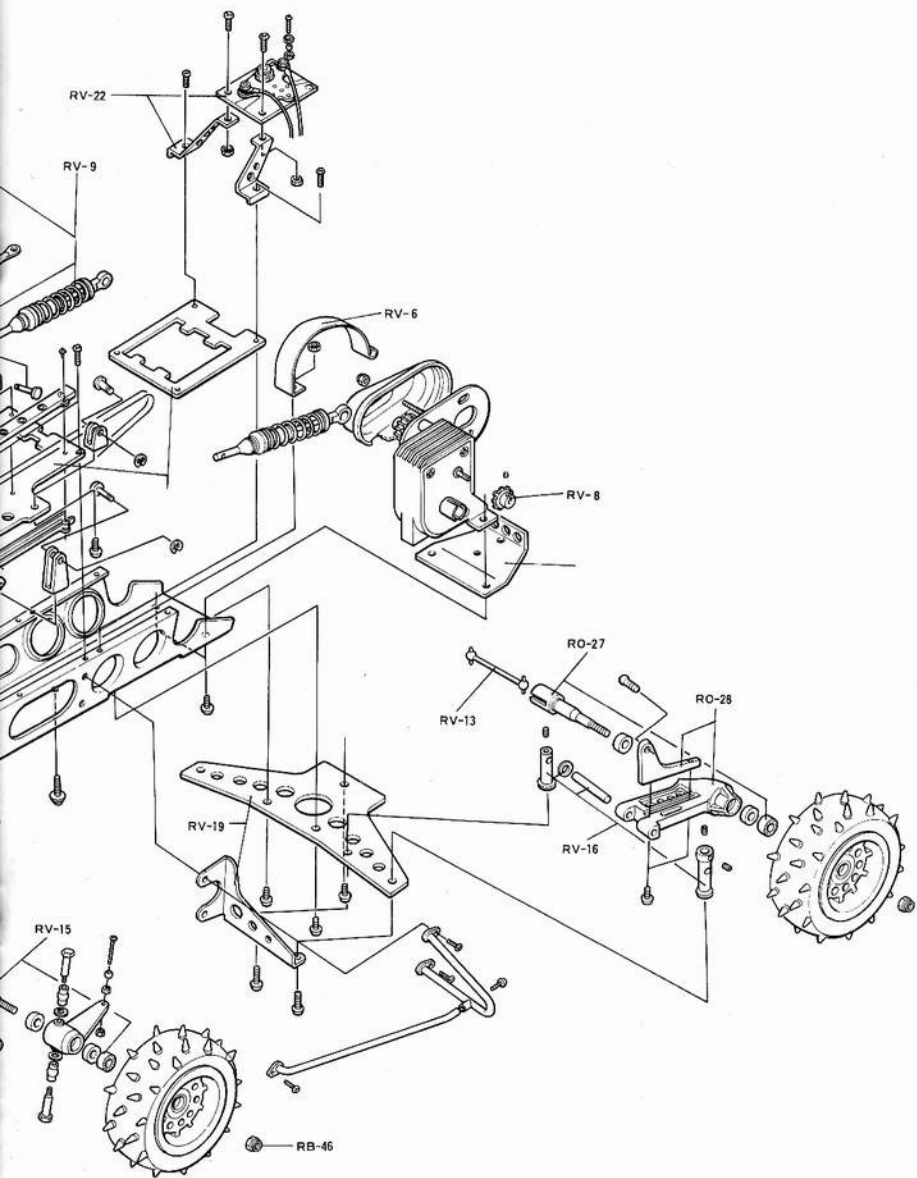
8 Tire Assembly

Tire Wheel Leave three to four hours after attaching tires with rubber bonding agent.



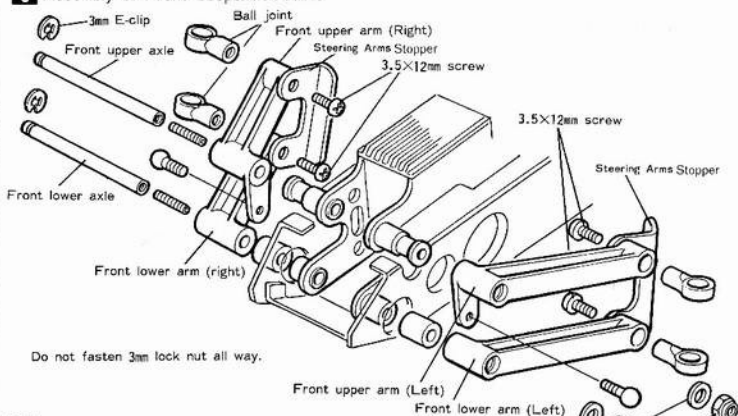
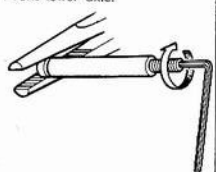
When glue the tire & wheel wipe the adhesive surface thoroughly with the thinner.





9 Assembly of Front Suspension Arms

First screw in $3 \times 15\text{mm}$ set screws to Front upper axle and Front lower axle.

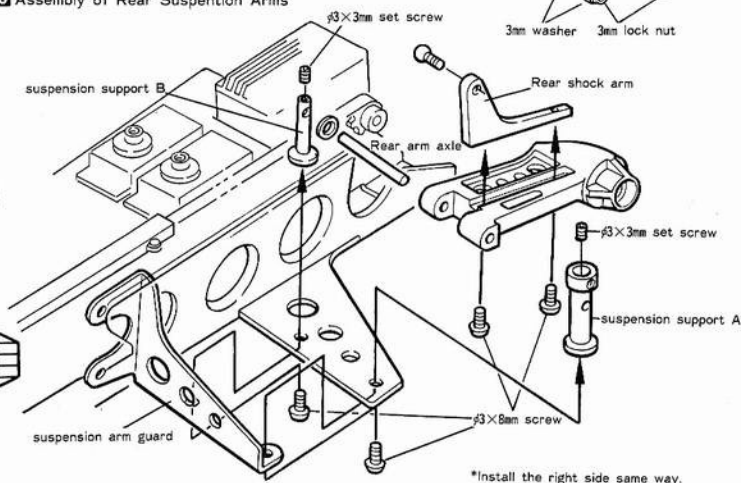
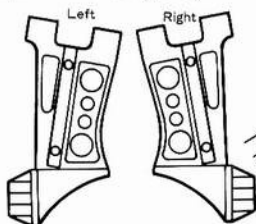


Do not fasten 3mm lock nut all way.

Use © bag from now on

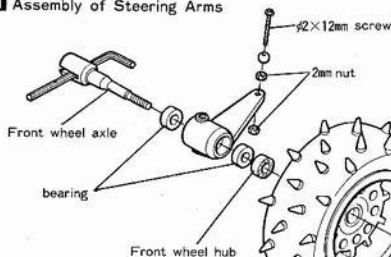
10 Assembly of Rear Suspension Arms

Make sure to install the rear suspension arm in the right way.



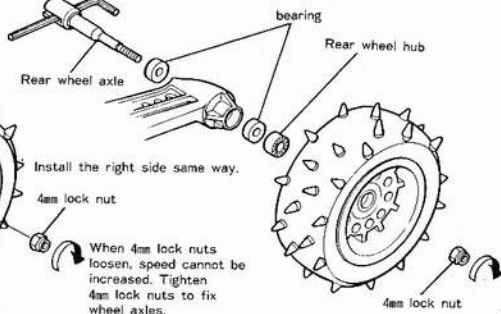
*Install the right side same way.

11 Assembly of Steering Arms



Set the notches of the aluminum wheel hub to the outside.

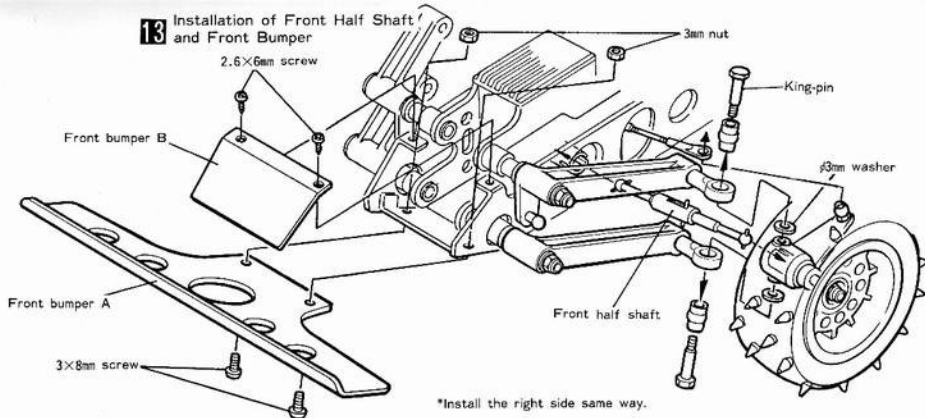
12 Installation of Rear Wheel Axle



Install the right side same way.

When 4mm lock nuts loosen, speed cannot be increased. Tighten 4mm lock nuts to fix wheel axles.

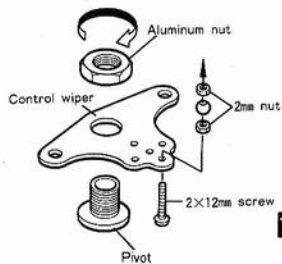
13 Installation of Front Half Shaft and Front Bumper



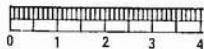
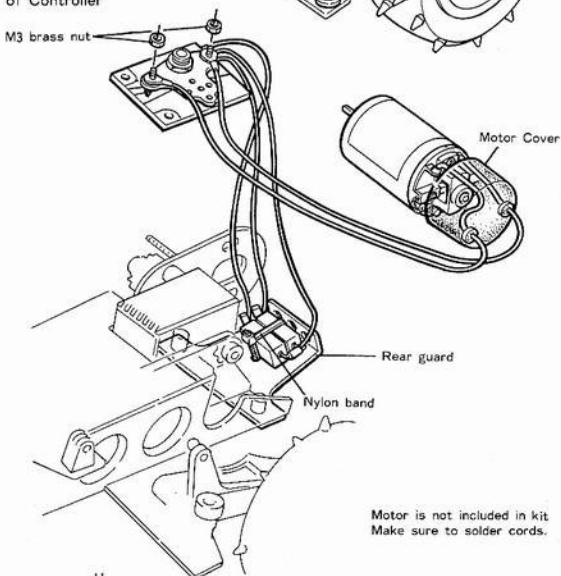
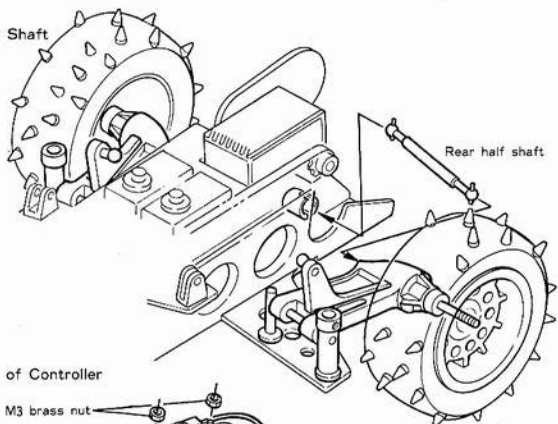
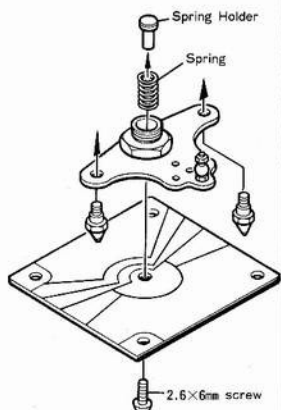
14 Installation of Rear Half Shaft

Use @ bag from now on

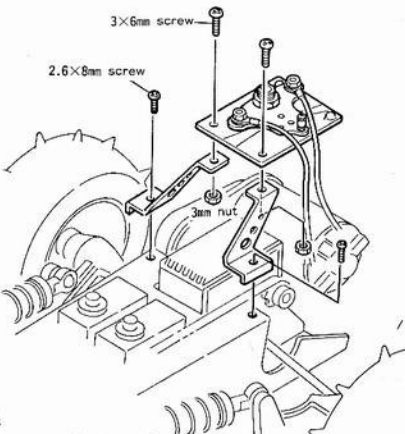
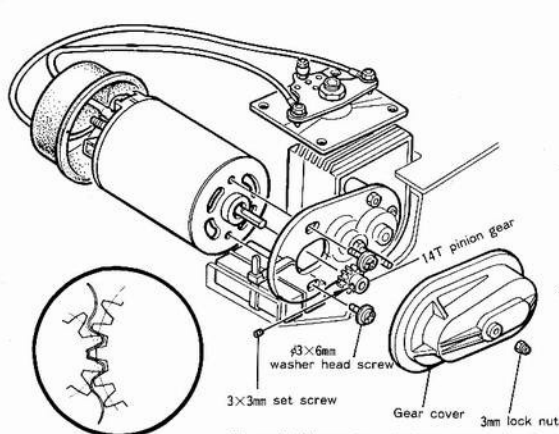
Installation of Controller



15 Assembly of Controller



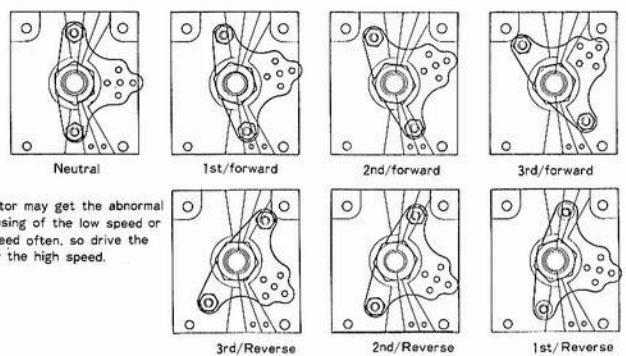
Motor is not included in kit
Make sure to solder cords.



Be careful if fasten the 3mm lock nut strongly then the gear cover will be damaged.

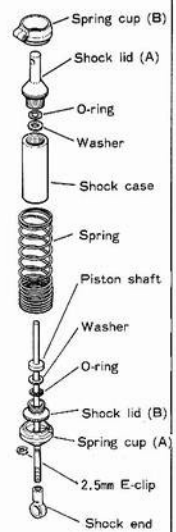
To align for maximum contact, leave space between two gears by allowing a sheet of paper go thru.

When stick is levelled down fully, be sure the wiper stays in the maximum speed position.

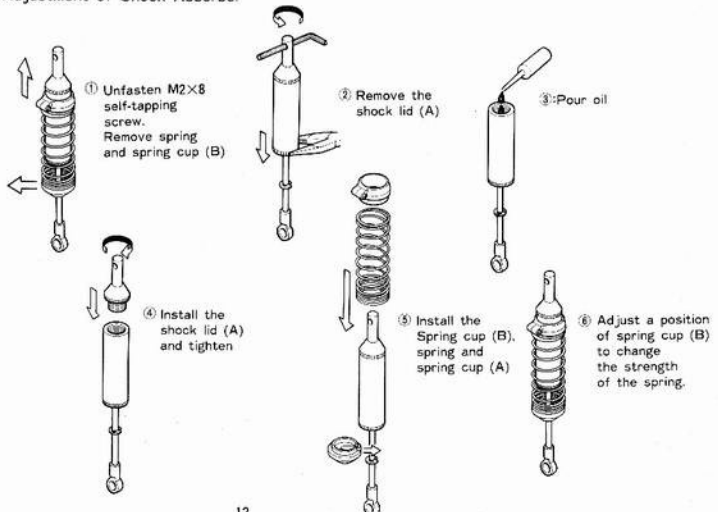


The resistor may get the abnormal heat by using of the low speed or middle speed often, so drive the car under the high speed.


Shock Absorber Disassembly Drawing:



16 Adjustment of Shock Absorber



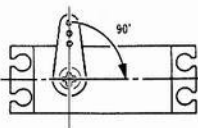
The above drawing applies to the Rear shock also.

Use  bag from now on

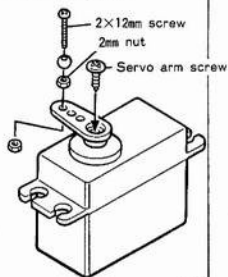
Installation of Servo Horn Radio accessories



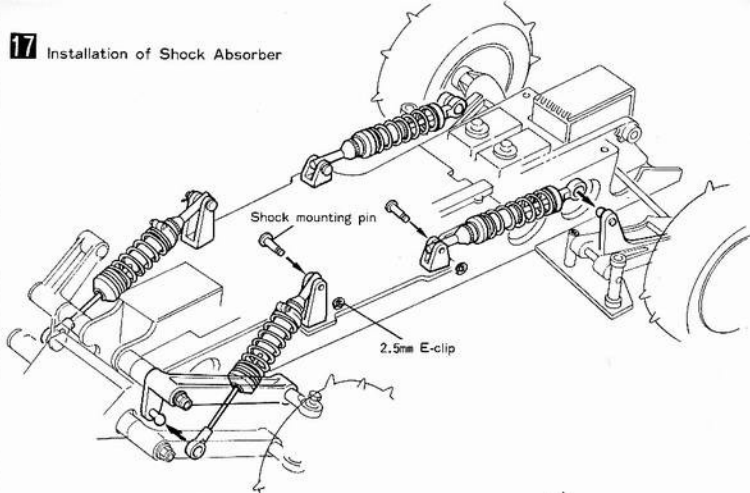
Modify servo arm as shown, removing parts covered by slash mark.



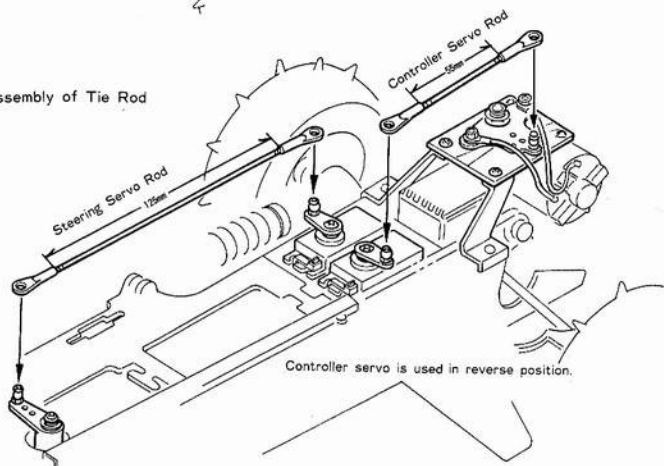
Plug the steering servo into the receiver and set the servo center at the neutral position.



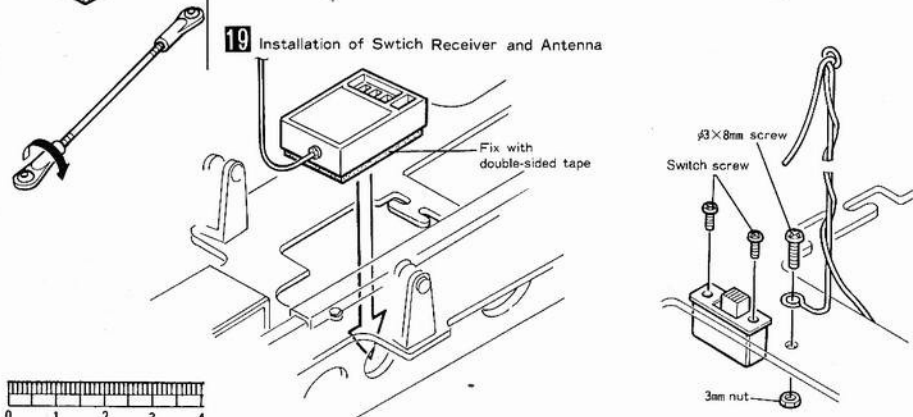
17 Installation of Shock Absorber



18 Assembly of Tie Rod

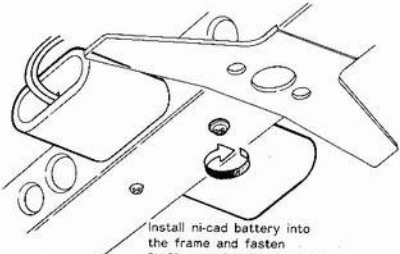
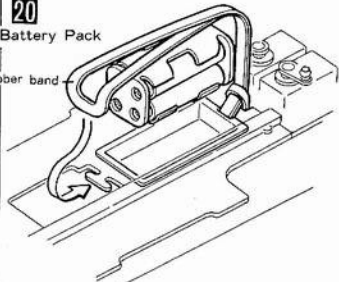


19 Installation of Switch Receiver and Antenna



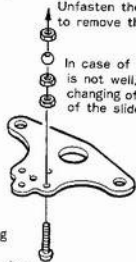
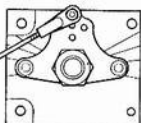
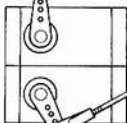
20**Installation of Ni-cad Battery Pack**

Rubber band

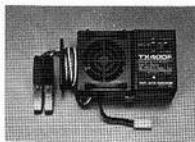


Install ni-cad battery into the frame and fasten 3x20mm washer head screw. Unfasten the 3x20mm washer head screw to remove the battery.

In case of the transmitter without the reverse switch. Linkage when servo in the right rotation is in use.

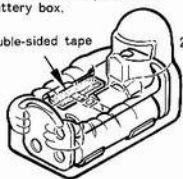
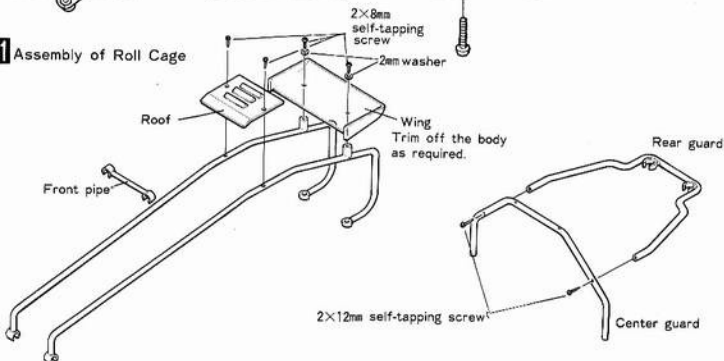
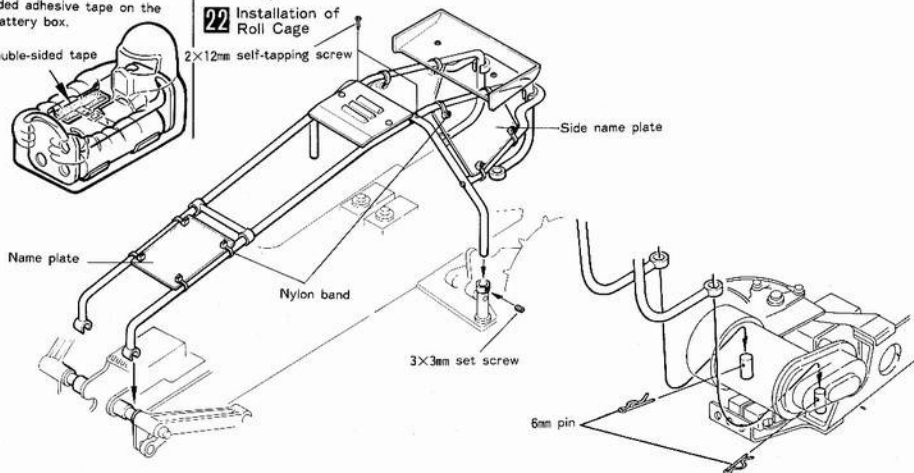


In case of the mounting of the linkage is not well, adjust the linkage by changing of the position of the hole of the slide plate or the servo horn.

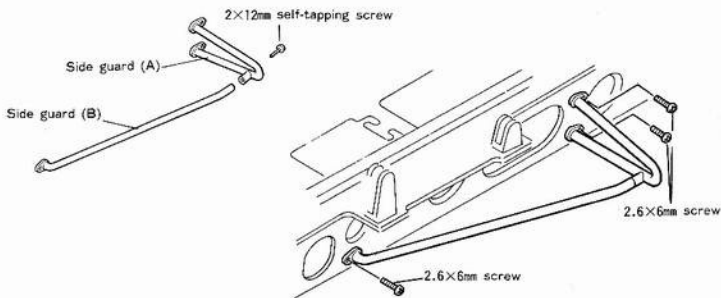
TX400F Ni-cd Battery Charger with Cooling Fan**GS1200 7.2V1200mA Battery**

Mount the doll with the double-sided adhesive tape on the battery box.

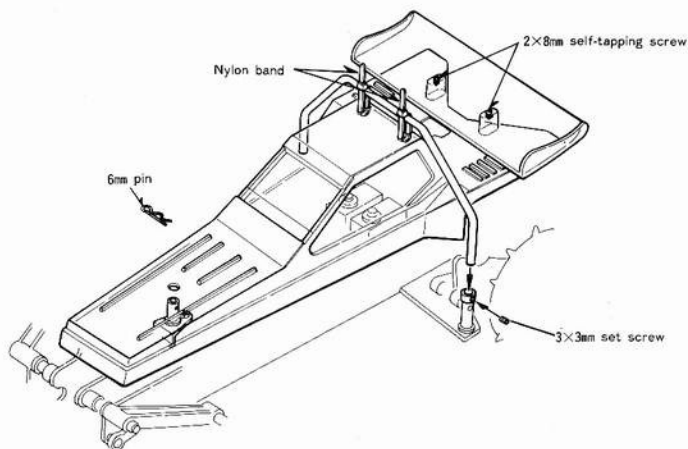
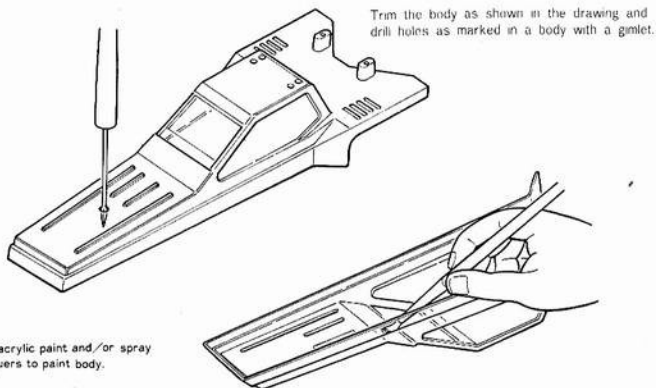
double-sided tape

**21 Assembly of Roll Cage****22 Installation of Roll Cage**

28 Installation of Side Guards



MOUNTING OF THE VIPER SHUTTLE BODY.

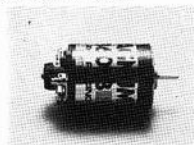


MAGNUM

360LB

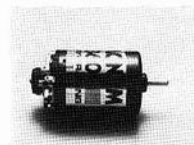
オフロード用ロングサイズ 金メッキブラシホルダー・スプリング/アルミエンドカバー・フルベアリング

Long-size for off-road races / gold-filled brush holder spring / Aluminum end cover / full bearing.



360L

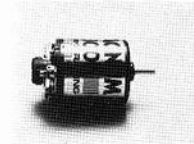
オフロード用ロングサイズ クロームブラシホルダー / 一体型エンドベル / メタル支持 Long-size for off-road races / chrome brush holder / one unit end bell / elite bearing.



300B

スタンダード / オフロードにも使いやすいタイプ / クロームブラシホルダー / メタル支持

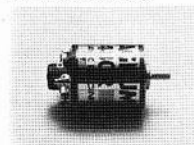
For standard / good for off-road also / chrome brush holder / elite bearing.

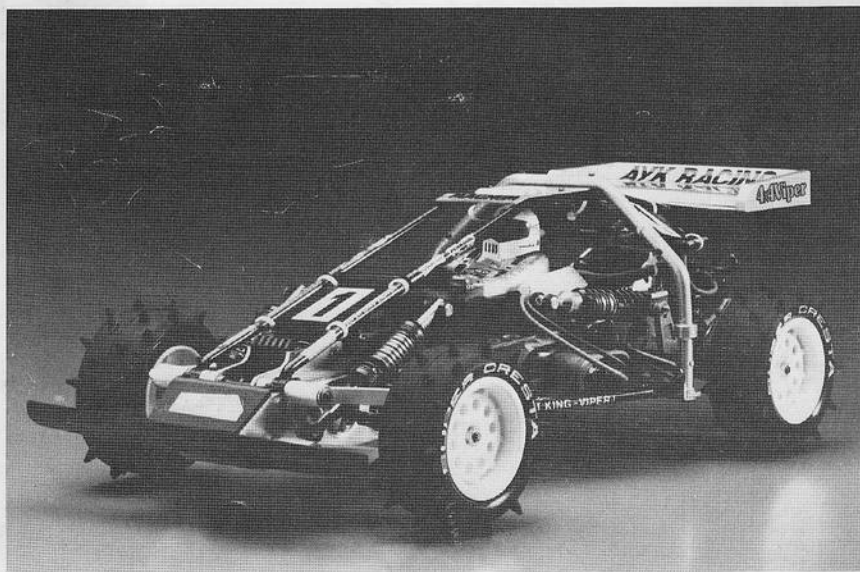


480R / Z














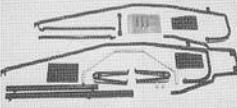



日分レース用 / 金メッキブラシホルダー・スプリング / アルミ・エンドカバー・フルベアリング

For standard / economy type for approx. 10min. running / chrome brush holder / elite bearing.





SPARE PARTS

| | | | |
|--|--|--|---|
| RS-82 | RS-83 | RS-84 | CX-86 |
|  |  |  |  |
| Kremer Porche CK-5 Body Shell | Lancia Martini Body Shell | AYK Special II Body Shell | Porche 956 body shell |
| CX-87 | NX-17 | NX-7 | NX-J8 |
|  |  |  |  |
| Auto coast body shell | Interceptor II body shell | Interceptor body shell | SKYLINE turb C body shell |
| J19 | J20 | RO-120 | RO-121 |
|  |  |  |  |
| Interceptor II body shell | Lancia LC2 body shell | Bobcat body shell | Buffato body shell |
| RO-124 | RV-24 | RV-24 A | CRX 24 |
|  |  |  |  |
| Boxer body shell | Roll cage body set | Shuttle body shell | AYK S III body shell |
| CRX 25 | | | |
|  | | | |
| Porche 962 C | | | |