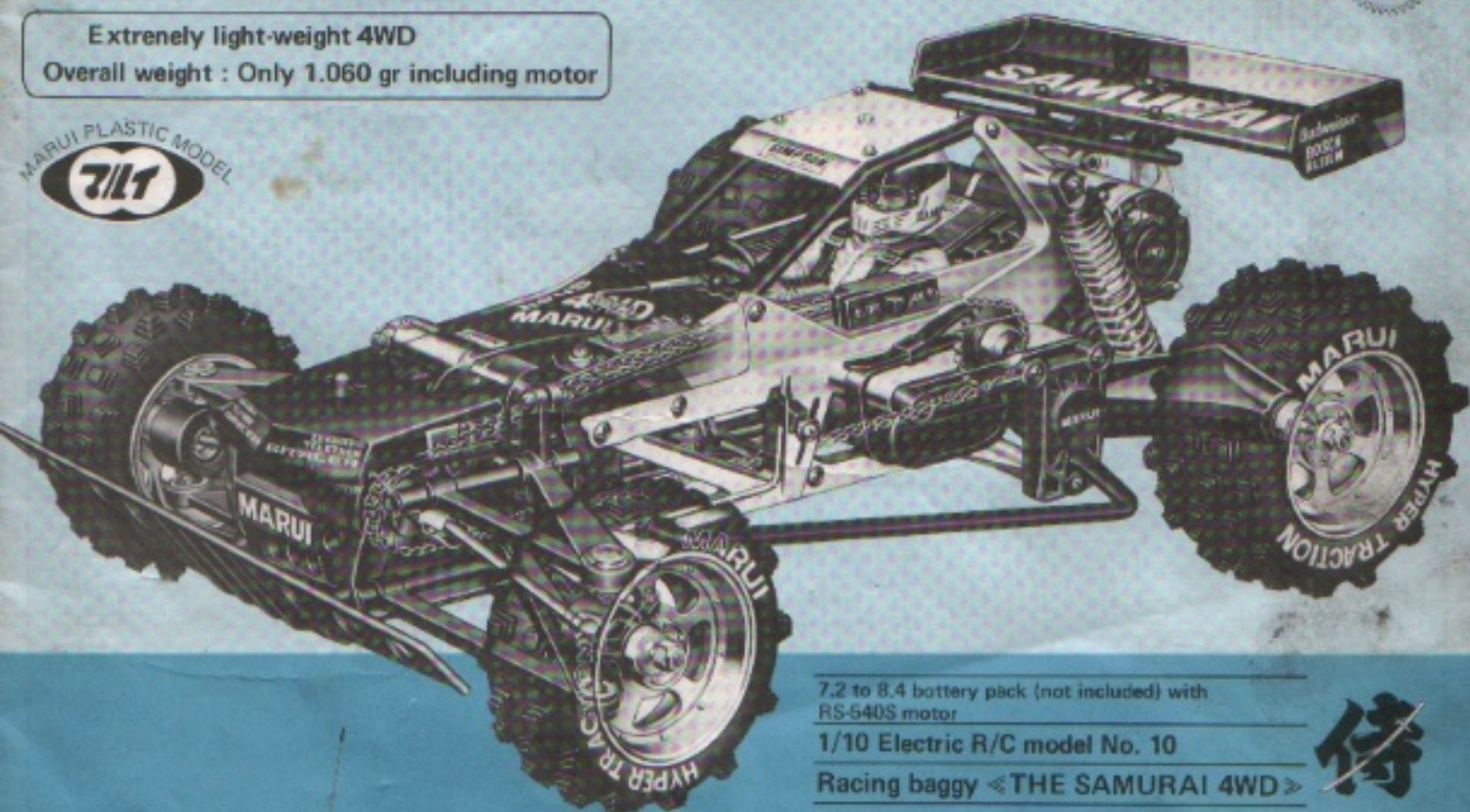


THE SAMURAI 4WD

1/10 SCALE HIGH PERFORMANCE
4WHEEL DRIVE RADIO CONTROL
OFF-ROAD
RACING BUGGY



Extremely light-weight 4WD
Overall weight : Only 1.060 gr including motor



7.2 to 8.4 battery pack (not included) with RS-540S motor

1/10 Electric R/C model No. 10

Racing buggy <THE SAMURAI 4WD>



DOUBLE WISHBONE SYSTEM FRONT SUSPENSION / SWING ARM SYSTEM INDEPENDENT REAR SUSPENSION / FORWARD THREE STAGE SPEED CONTROL AND REVERSE ASSEMBLED SEALED TYPE SPEED CONTROLLER / DIECAST HEAT SINK FOR REFRIGERATE / THREE DIFFERENTIAL GEAR DRIVE SYSTEM / DURABLE NYLON SIDE GUARD / CHANGEABLE PINION GEAR RATIOS / DURABLE NYLON BIG BUMPER FOR SOFTEN SHOCK / HYPER TRACTION WART PATTERN SEMI PNEUMATIC RUBBER TIRES FRONT & REAR / ADJUSTABLE OIL FILLED MONO-SHOCK TYPE FRONT ABSORBER AND ADJUSTABLE OIL FILLED REAR SHOCK ABSORBERS / DRIVER FIGURE

TOKYO MARUI PLASTIC MODEL CO., LTD.

HIGH PERFORMANCE R/C OFF-ROAD RACING BUGGY



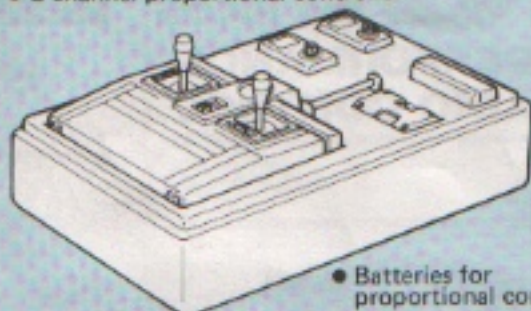
RCScrapyard.com

THE SAMURAI 4WD

MARUI PLASTIC MODEL
711

◀ Parts not included in the Kit ▶

- 2-channel proportional controller



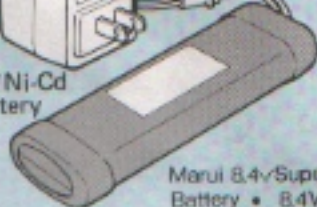
- Batteries for proportional controller (Servo & receiver fit size.)



- Special charger



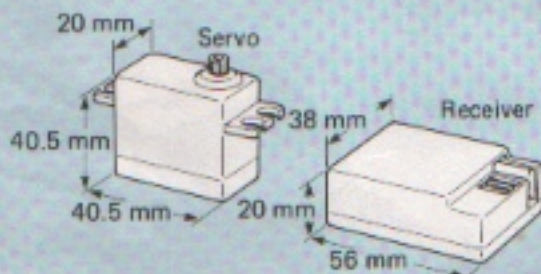
- 7.2~8.4V Ni-Cd racing battery



Marui 8.4V Super Racing Battery • 8.4V Battery Charger Now on sale

- The Model uses a 2-channel, proportional system radio control mechanism. Most regular 2-channel proportional controllers may be used, but test first since some receivers and servos of 3- to 8-channel types do not fit.

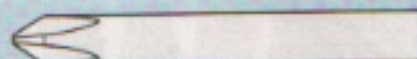
- For those who are going to purchase a controller, a mini-servo and mini-receiver are recommended, which are best suited with the Model and allows the best performance. The overall weight specified is with the mini-servo and - receiver.



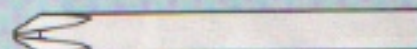
- Use a 7.2~8.4V Ni-Cd racing battery which may be recharged up to 300 times. Charging for normal battery requires 15 to 16 hours but quick-charge types using a 12V battery such as the cigarette lighter power supply requiring only 15 to 20 minutes are also available.

◀ Tools Required for Assembly ▶

Phillips type screwdrivers are shown in actual sizes.



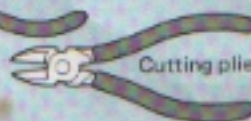
④ Screwdriver (Large) for $\phi 3$ screws and $\phi 3$ tapping screws



⑤ Screwdriver (Middle) for $\phi 2.6$ and $\phi 2$ tapping screws



Radio pliers



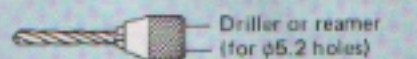
Cutting pliers



Cutter



Scissors



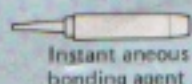
Drill or reamer (for $\phi 5.2$ holes)



Tweezers



Hair drier



Instantaneous bonding agent



Vinyl tape

◀ Radio Control Unit ▶ Preparation and checking the neutral position ▶

- ① Extend the antenna

- ② Set trim levers at their neutral positions

- ③ Install batteries

- ④ Extend the antenna

- ① Install batteries in the transmitter and receiver.

- ② Extend the transmitter and receiver antennas.

- ③ Turn the transmitter switch ON. (Always turn ON the transmitter switch first.)

- ④ Turn the receiver switch ON.

- ⑤ Set trim levers at their neutral positions.

- ⑥ Set the levers at their neutral positions. (The servo horns should stop at their neutral positions.)

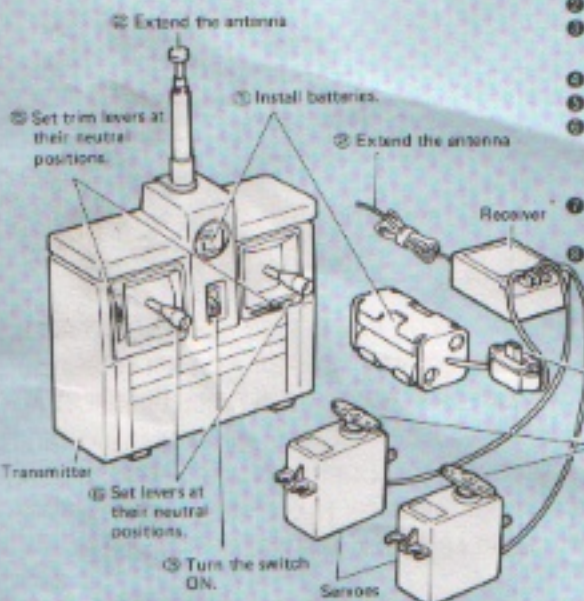
- ⑦ Operate the levers and check that servo horns move accordingly.

- ⑧ Turn the receiver switch OFF first and then the transmitter switch when the test is complete.

- ⑨ Turn the switch ON.

- ⑩ The servo horns stop at their neutral positions.

- Refer to the radio control equipment instructions for further details.



◀ Tools included in the Kit ▶

For $\phi 2$ nut (not used)

M3 WRENCH x1

For $\phi 4$ nylon nut



Pillow-ball (small) for $\phi 3$ nut and $\phi 3$ nylon nut

For $\phi 2.5$ mm nut (not used)



$\phi 4$ butt screw

$\phi 3$ butt screw



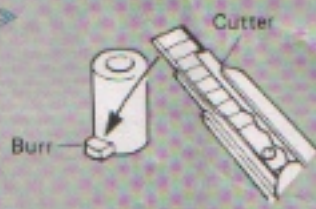
Hexagonal wrench

◀ Read the following instructions carefully before assembly ▶

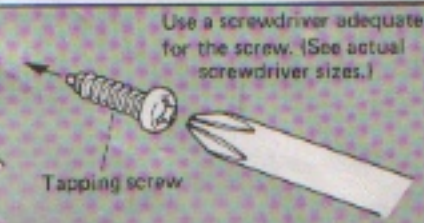
- Read the entire assembly instructions before beginning assembly.
- Screws and some other parts are shown in actual sizes to avoid wrong usage.
- Some screws, nuts, and washers will be left over as more than required numbers are included in the Kit. Keep them as spare parts.
- Parts lists are provided separately. Always keep them handy for convenience in finding a correct part.
- For completing a high-performance model car, follow the instructions in order and never be hasty.



- A Grease mark indicates a position where the grease included in the Kit must be applied. Never use any other grease which may result in a cracked polycarbonate gear box. Do not apply the grease on moving parts that are exposed, especially on the sprocket and chains, since it may cause malfunction due to accumulated sand or other foreign matters.



- Thoroughly remove plastic part burrs with a cutter. Especially, completely remove burrs on strengthened nylon parts. Otherwise, they may impair driving performance. (Be careful not to cut your fingers with the cutter.)

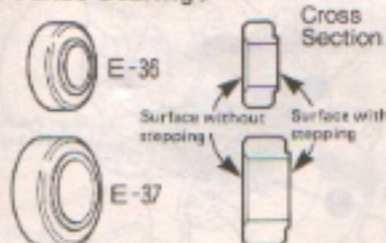


- Many tapping screws used for the Model require high torque. Use a screwdriver fits for the screw head. Release the turning power on the screwdriver when the screw no more rotates easily. If excessive torque has been applied and the tapping screw does not hold parts well, do not remove it but apply an instantaneous bonding agent.

RCS Hobby.net

★ Special Instruction ★

◀ Tenac Bearing ▶



● Be careful on the direction of tenac bearing. The surface with stepping is always the sliding surface.

★ In the drawing, the surfaces with and without stepping are shown as below:



★ Thoroughly remove the tenac bearing burrs with a cutter.

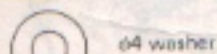
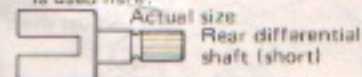


● If you prefer bearings to the Tenac metallic sleeves, please use those included in Marui's Bearing Set. Bearing (L) and bearing (S) correspond to metallic sleeves E-36 and E-37, respectively.

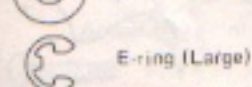
* The bearings are available from Marui (sold separately).

1 Differential Shaft and Bevel Gear

● Three types of differential shafts are provided in the Kit. The shortest shaft is used here.



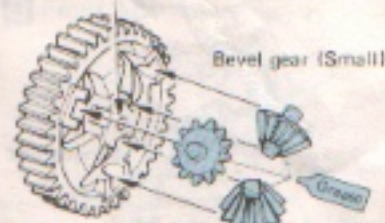
φ4 washer



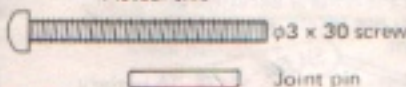
E-ring (Large)

2 Assembling Gear Box, Left

Differential gear (small φ2 hole)



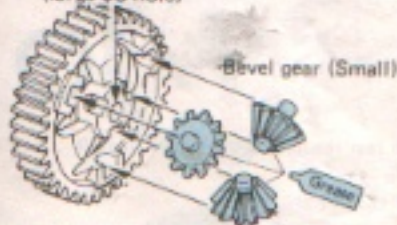
Actual size



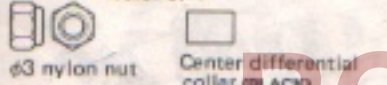
Joint pin

3 Center Differential Gear Assembly

Differential gear (large φ3 hole)

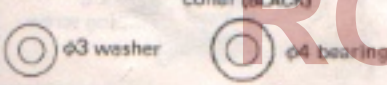


Actual Size



φ3 nylon nut

Center differential collar (BLACK)

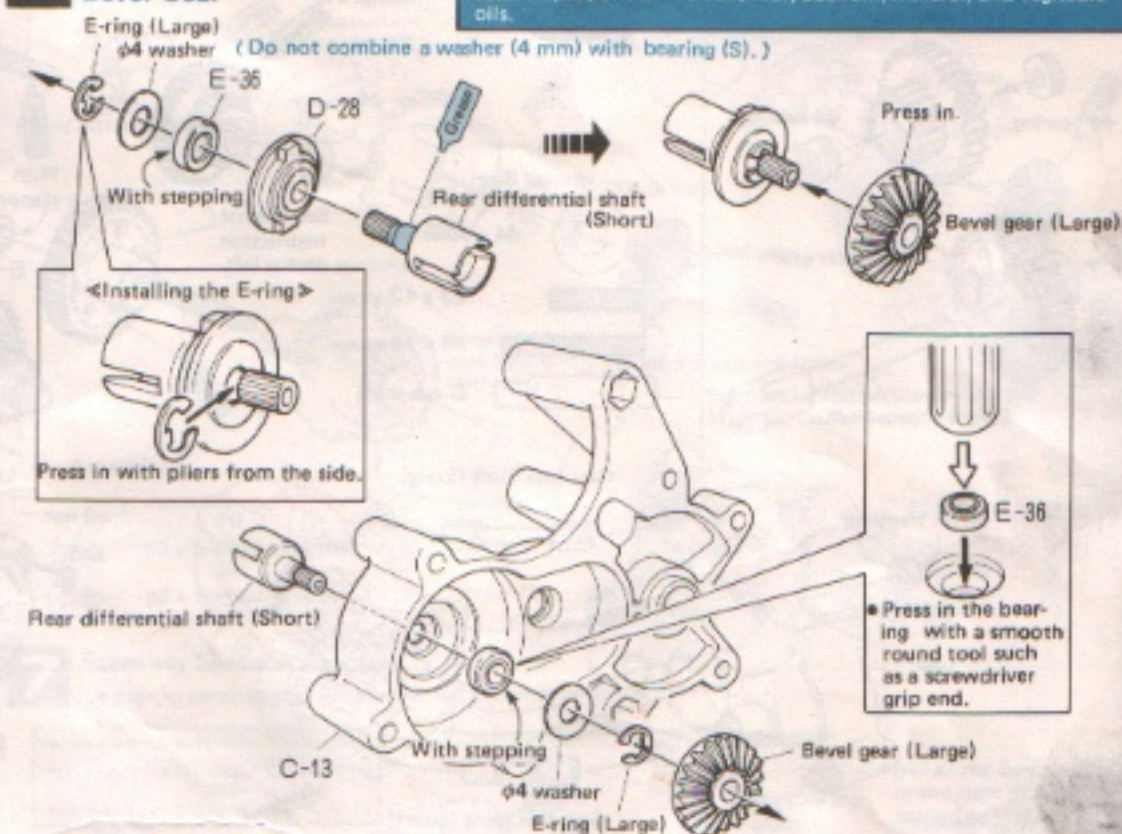


φ3 washer

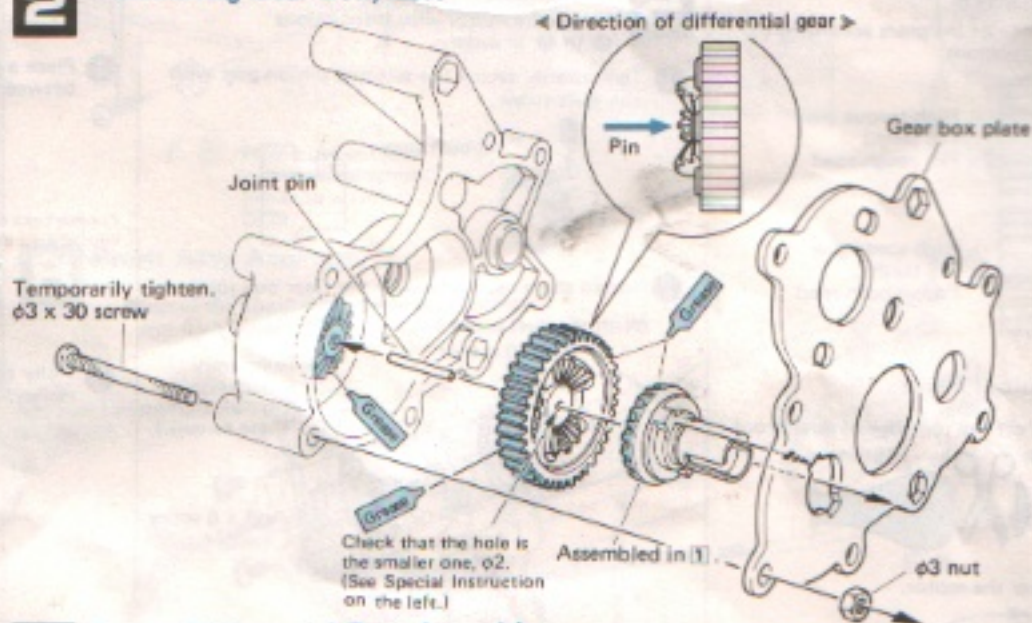
φ4 bearing

1 Differential Shaft and Bevel Gear

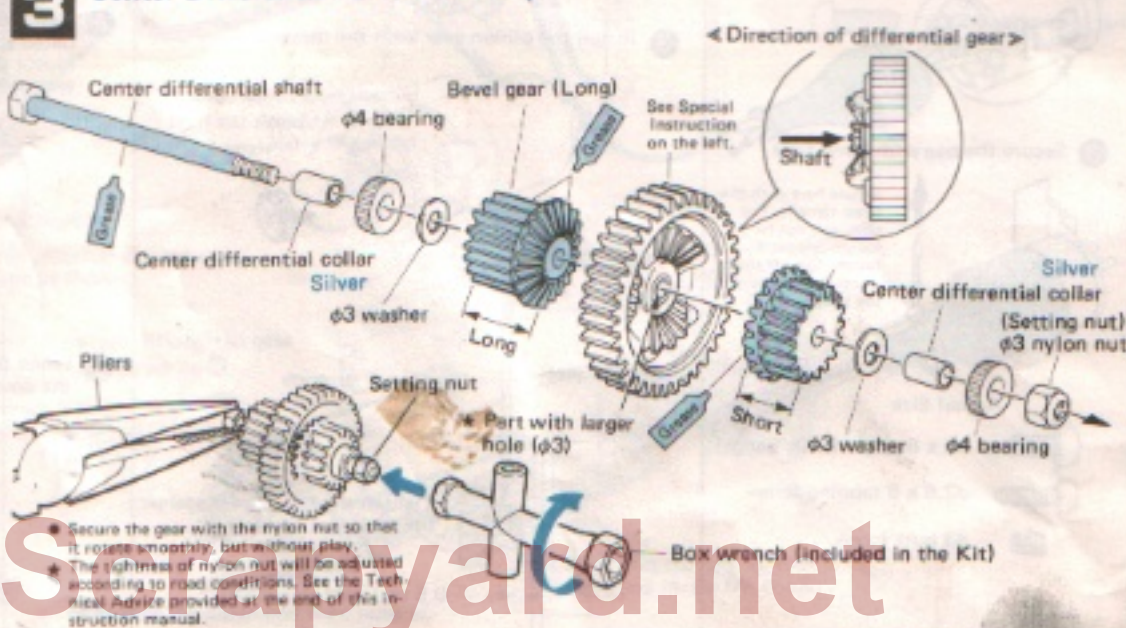
Always use the grease included in the Kit. Use of other grease or oil than the grease provided may damage the polycarbonate gear case. Improper oil: Tefron, molybdenum, mineral, and vegetable oils.



2 Assembling Gear Box, Left

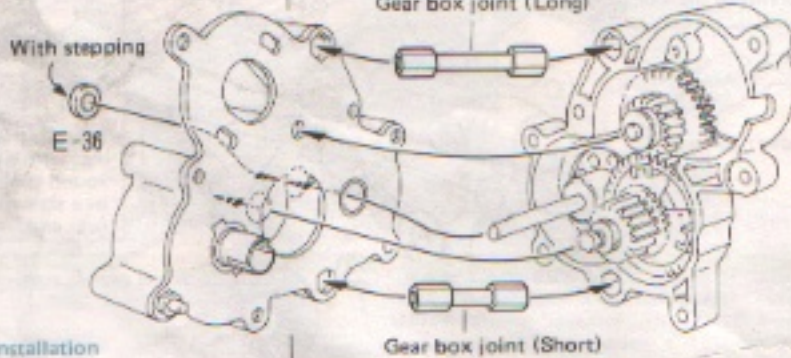
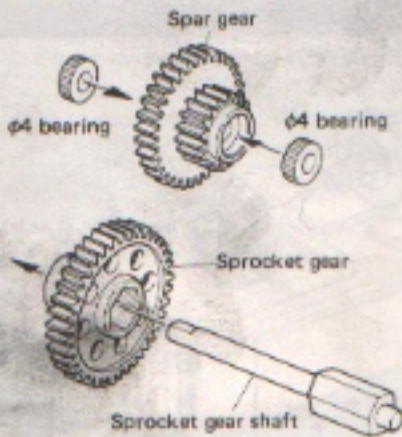


3 Center Differential Gear Assembly



● Secure the gear with the nylon nut so that it rotates smoothly, but without play.
● The tightness of nylon nut will be adjusted according to road conditions. See the Technical Advice provided at the end of this instruction manual.

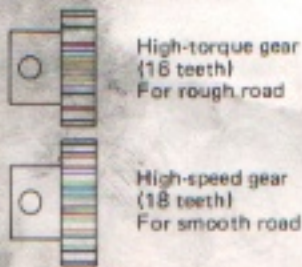
4 Gear Box Assembly



5 Motor Installation

<Pinion gear>

- Select one of the gears according to road conditions.



<Dust-proof bag>

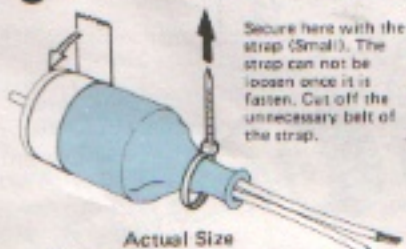
- Cut off the top edge of dust-proof bag. (108mm)



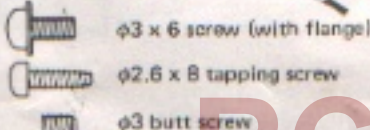
- Cover the motor.



- Secure the bag with vinyl tape.

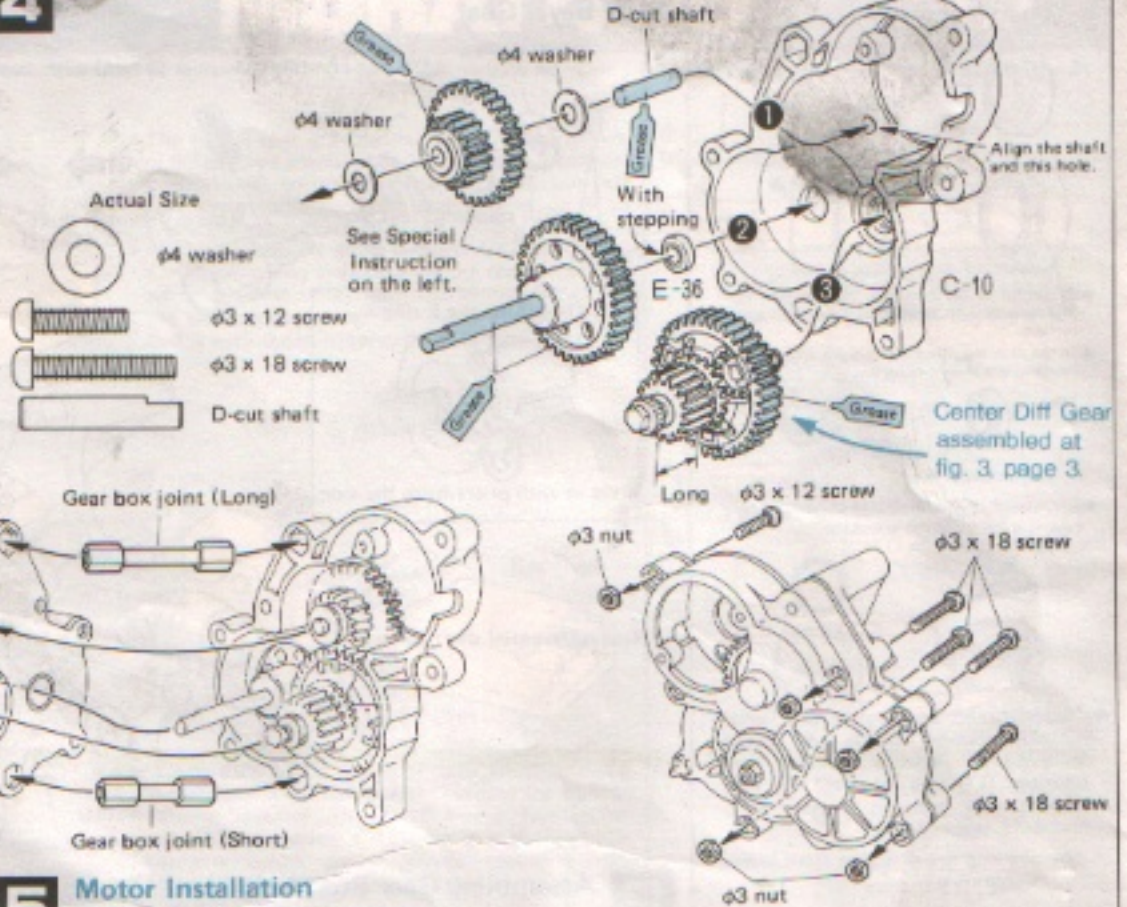


Actual Size



4 Gear Box Assembly

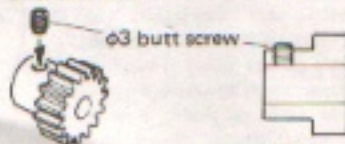
- Assemble the gear with instructions 1 to 3 in order.



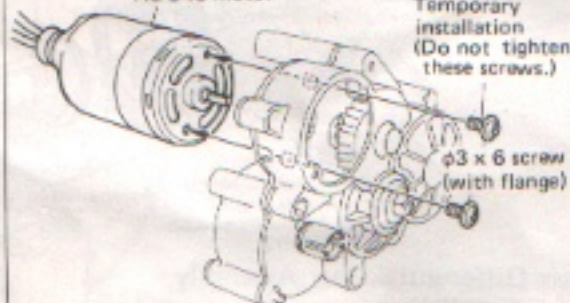
5 Motor Installation

- Install the motor with instructions 1 to 7 in order.

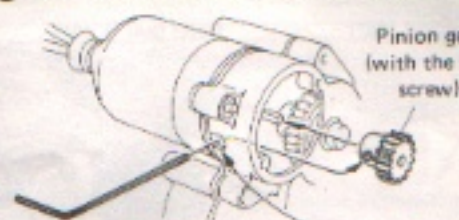
- Temporarily secure the selected pinion gear with the butt screw.



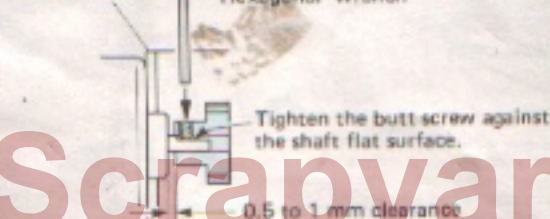
- Install the pinion gear with the Gear box joint (With the dust-proof bag) RS-540 motor



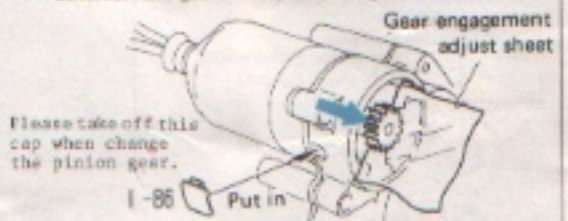
- Install the pinion gear with the motor.



Gear box plate
 Hexagonal wrench



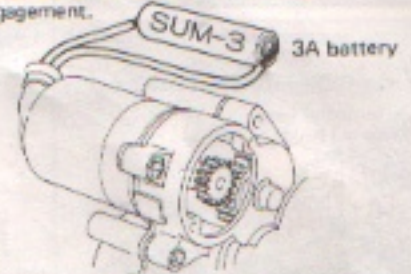
- Place a gear engagement adjust sheet between the gears and press the gears.



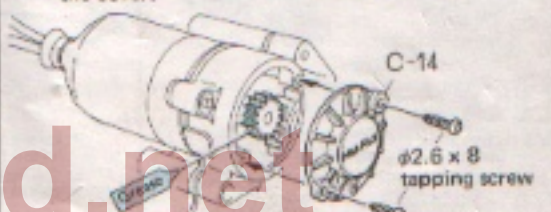
- Fully tighten screws. Rotate gears removing the sheet.



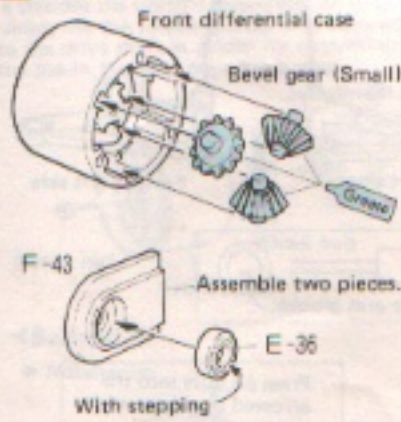
- Test the assembled motor with a 3A battery. If the noise is excessive or motor does not rotate, check the gear engagement.



- When the test result is satisfactory, install the cover.

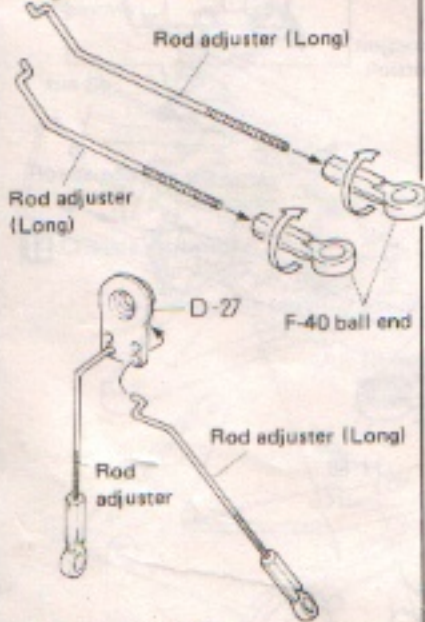


6 Front Differential Gear Assembly

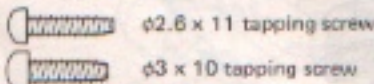


7 Steering Servo Assembly

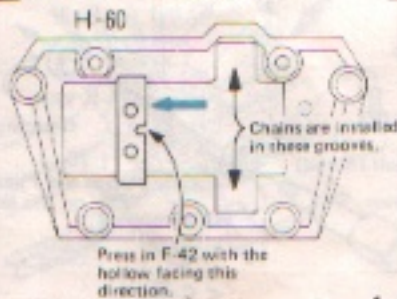
- Install two F-40 parts tentatively as rod length will be adjusted later.



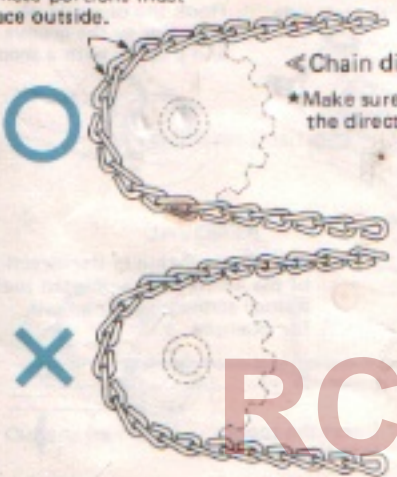
Actual Size



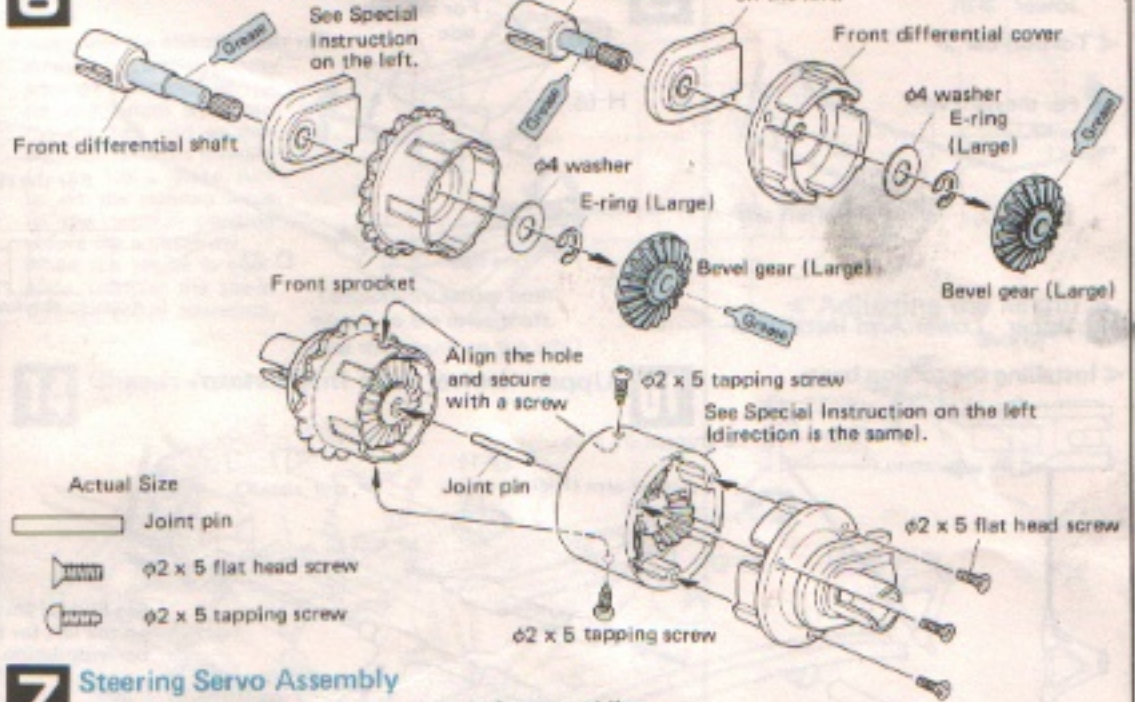
8 Front Assy Assembly



These portions must face outside.

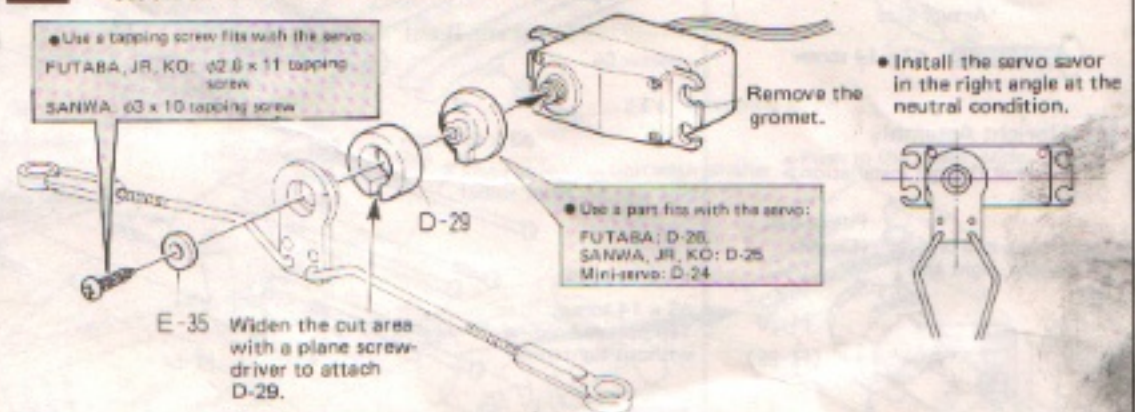


6 Front Differential Gear Assembly



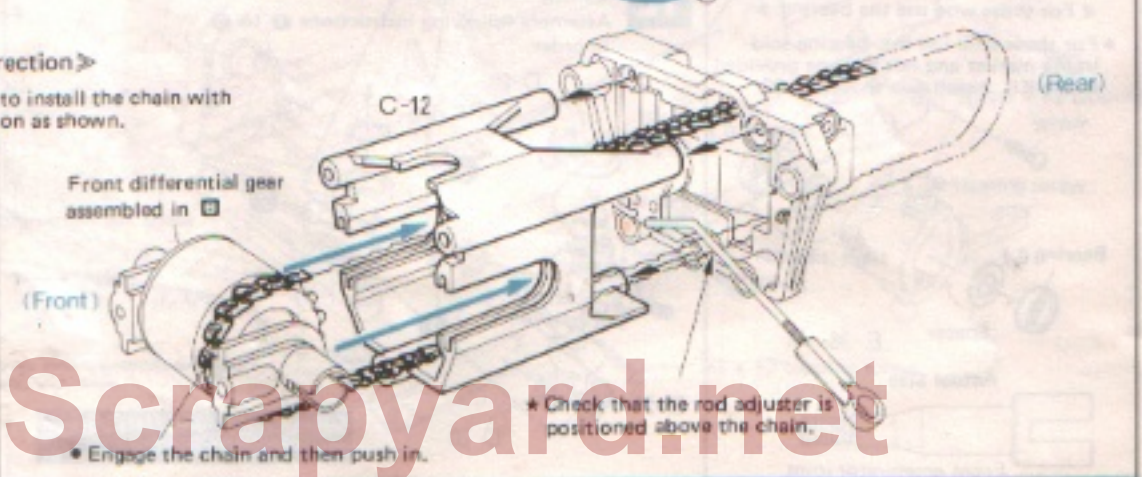
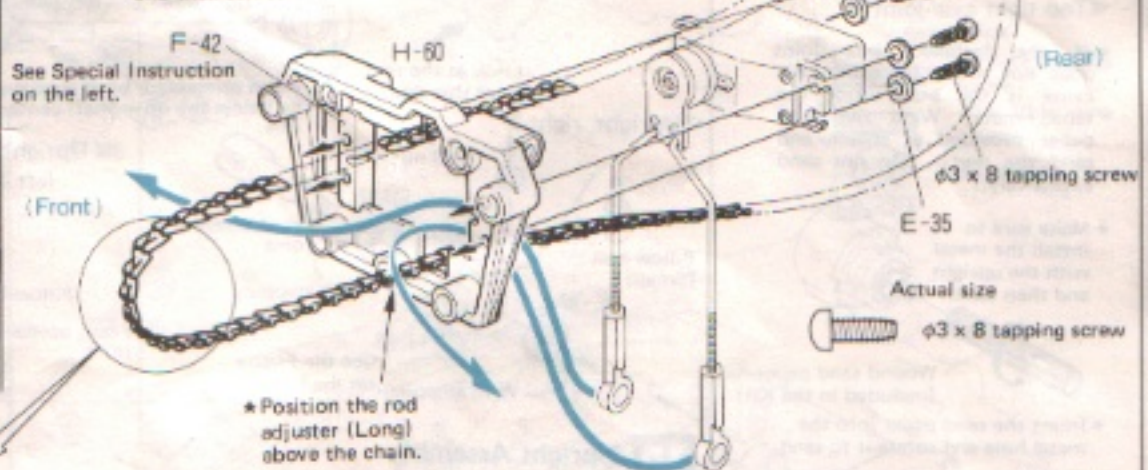
7 Steering Servo Assembly

- ★ Set the servo to the neutral position before assembling.



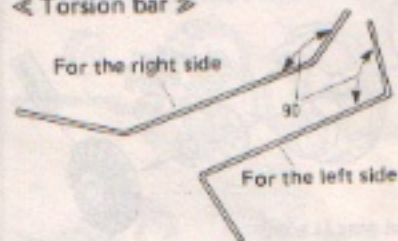
8 Front Assy Assembly

- Install the chain with the correct direction and then servo.



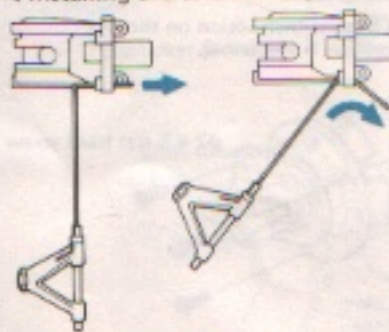
9 Torsion bar installation to the lower arm

< Torsion bar >

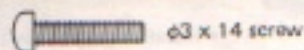


10 Upper - Lower Arm Installation

< Installing the torsion bar >

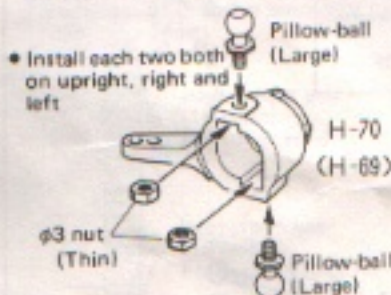


Actual Size



11 Upright Assembly

<Pillow-ball (Large) installation >

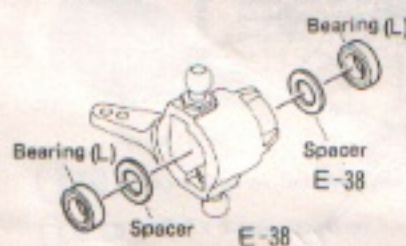


<Too tight axle joint >

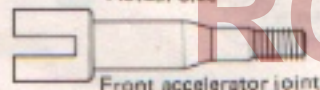
- If the installed axle joint does not rotate smoothly, the cause is the burr inside the tenac-metal. Wind the sand paper provided as shown and sand the metal. (Do not sand excessively.)



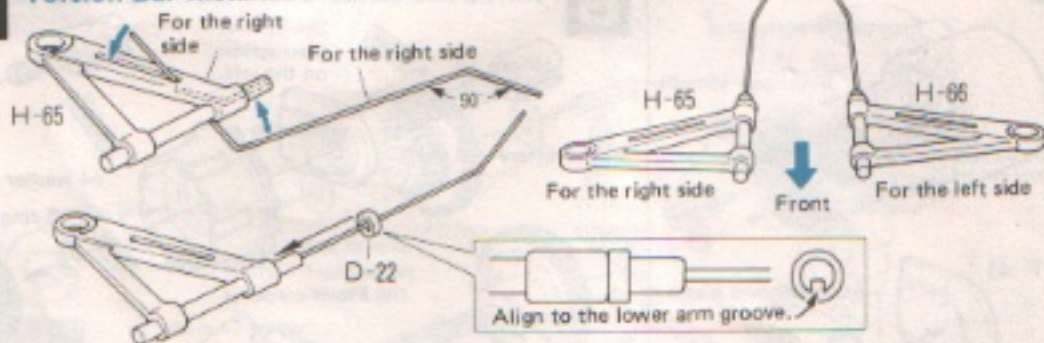
- Make sure to install the metal with the upright and then sand.
- Insert the sand paper into the metal hole and rotate it to sand.
- < For those who use the bearing >
- For those who use the bearing sold in the market and not the one provided in the Kit, install two spacers E-38.



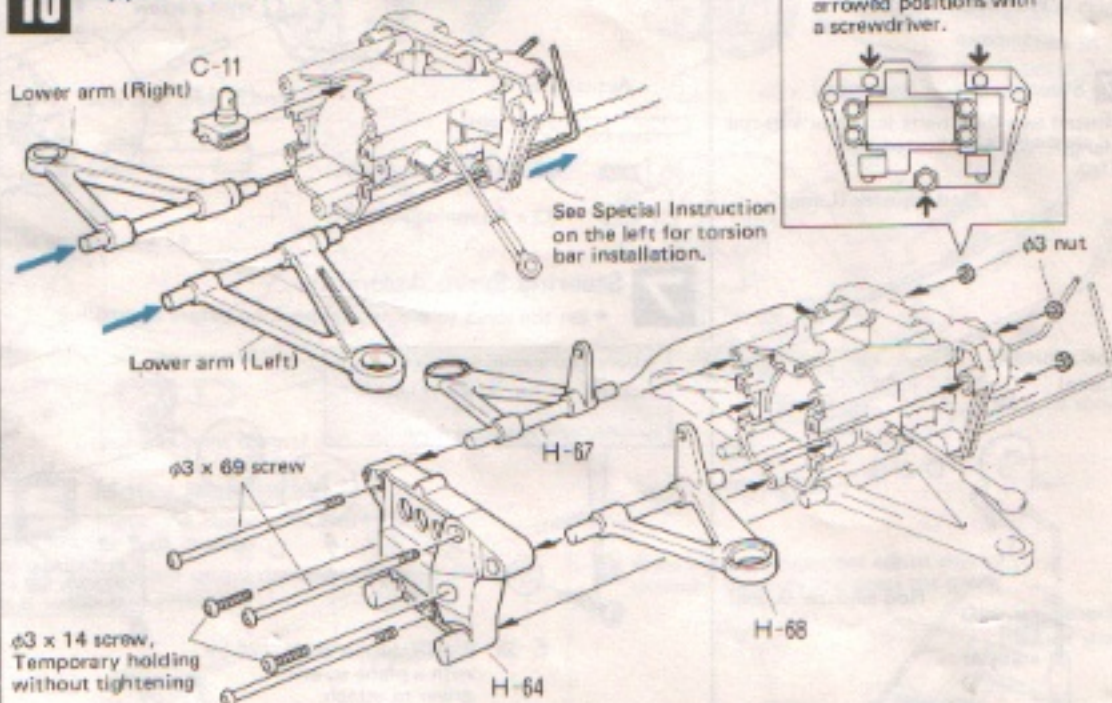
Actual Size



9 Torsion Bar Installation to Lower Arm

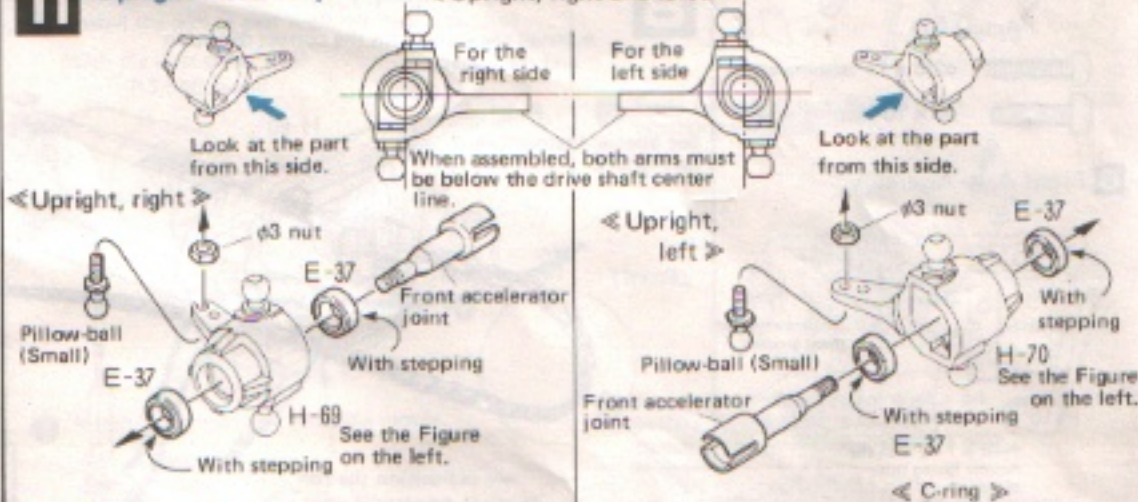


10 Upper - Lower Arm Installation



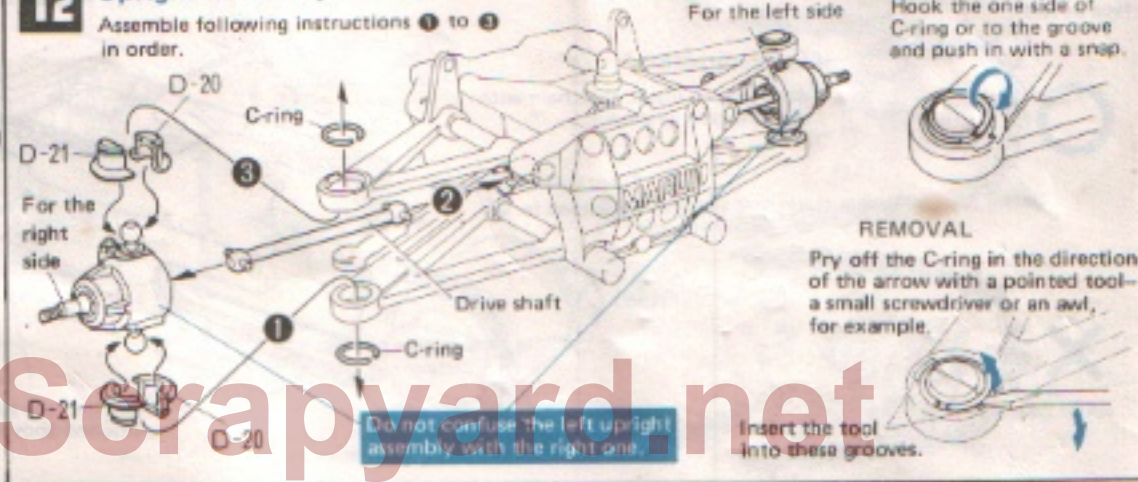
11 Upright Assembly

< Upright, right and left >



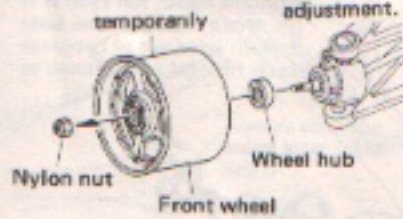
12 Upright Assembly

Assemble following instructions 1 to 3 in order.



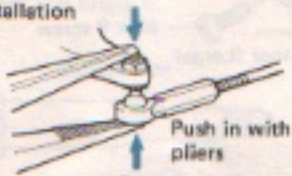
13 Toe-in

• Besides the upright assemblies on both sides, use the wheels temporarily secured to the drive shaft as guides for determining the toe-in. Remove the wheels after adjustment.

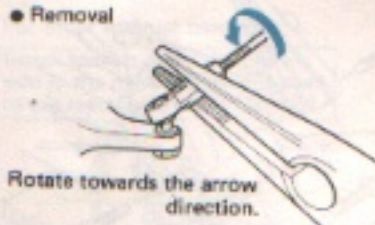


◀ Ball end ▶

• Installation

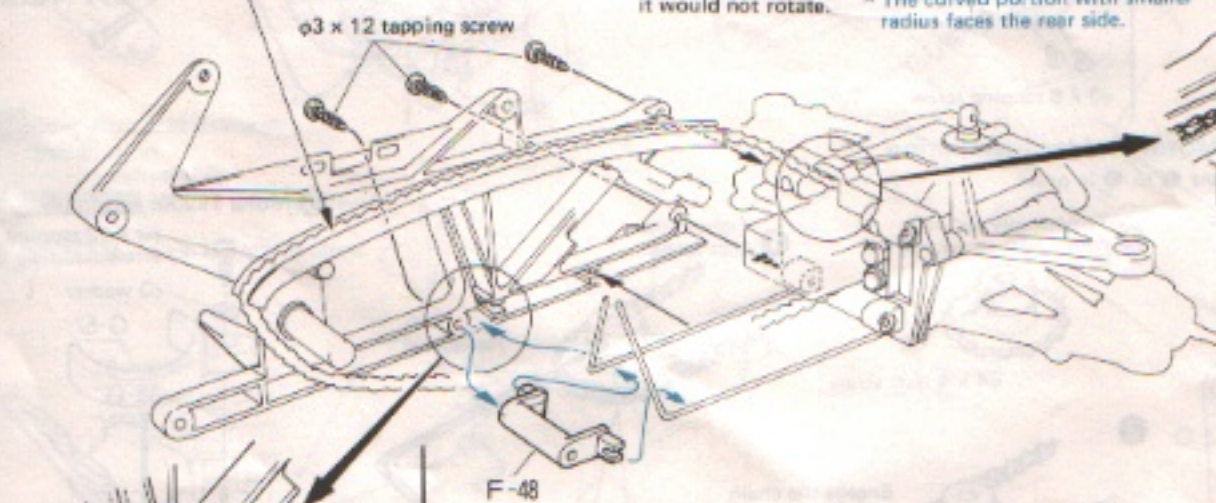


• Removal



14 Chassis Assembly

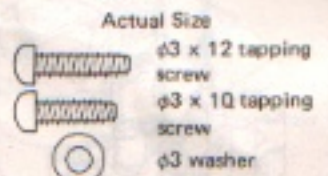
• Position the chain on top of the chain guide.



* Fix with pliers so that it would not rotate.

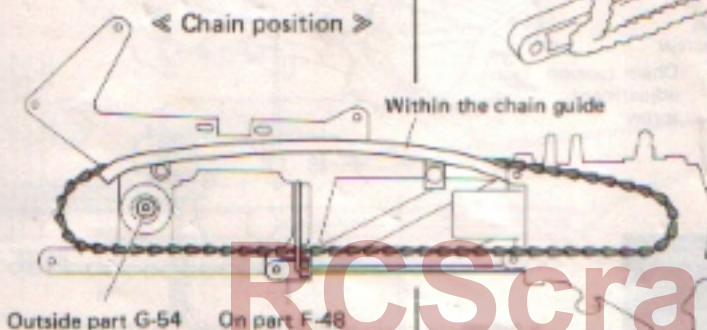
* The curved portion with smaller radius faces the rear side.

• Push in the chain guide.



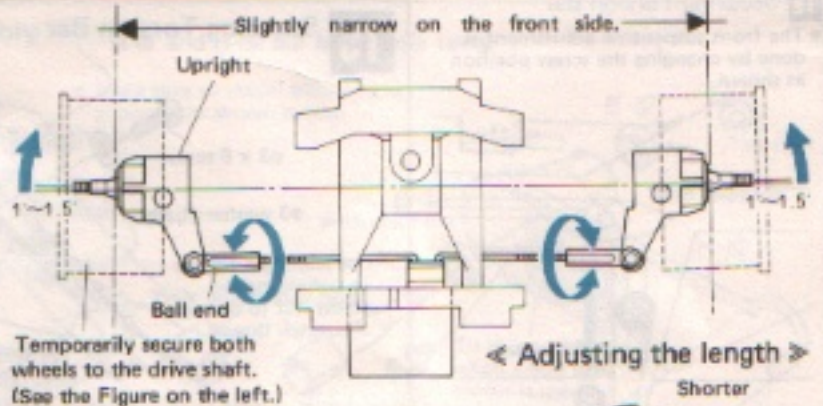
The chain passes on top of F-48.

◀ Chain position ▶

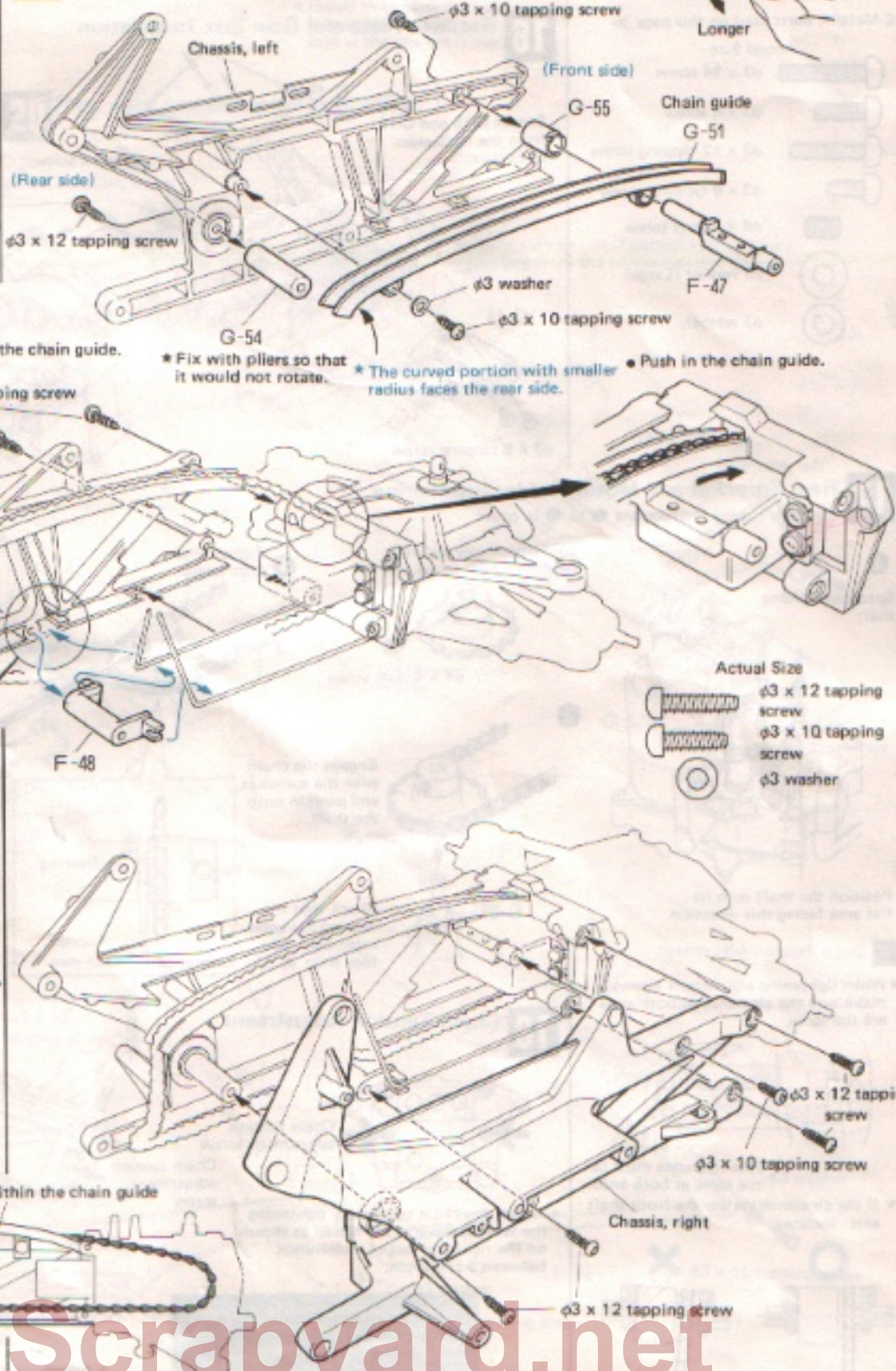


13 Toe-in

• Adequate toe-in improves straight drive performance of a car. Adjust the tie rod length by rotating the ball end so that both uprights tilt forward (1° to 1.5°). Make sure to set the steering servo to the neutral position before the adjustment. When the Model is complete, readjust the toe-in through actual operation.

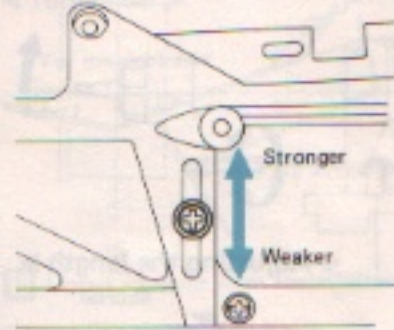


14 Chassis Assembly



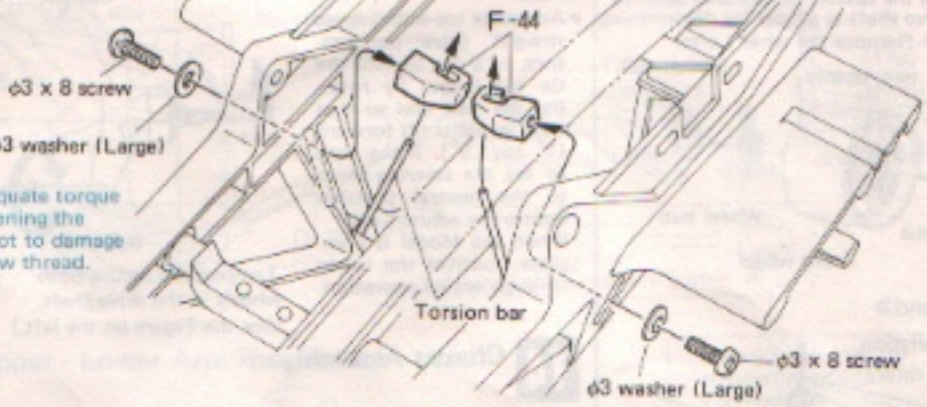
15 Securing Torsion Bar

The front suspension adjustment is done by changing the screw position as shown.



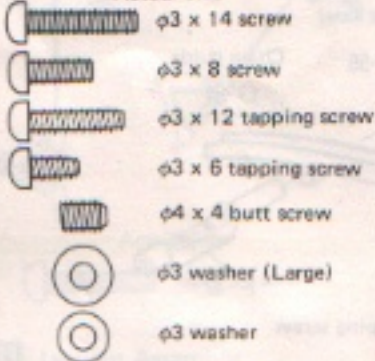
15 Securing Torsion Bar

*Use adequate torque in tightening the screw not to damage the screw thread.



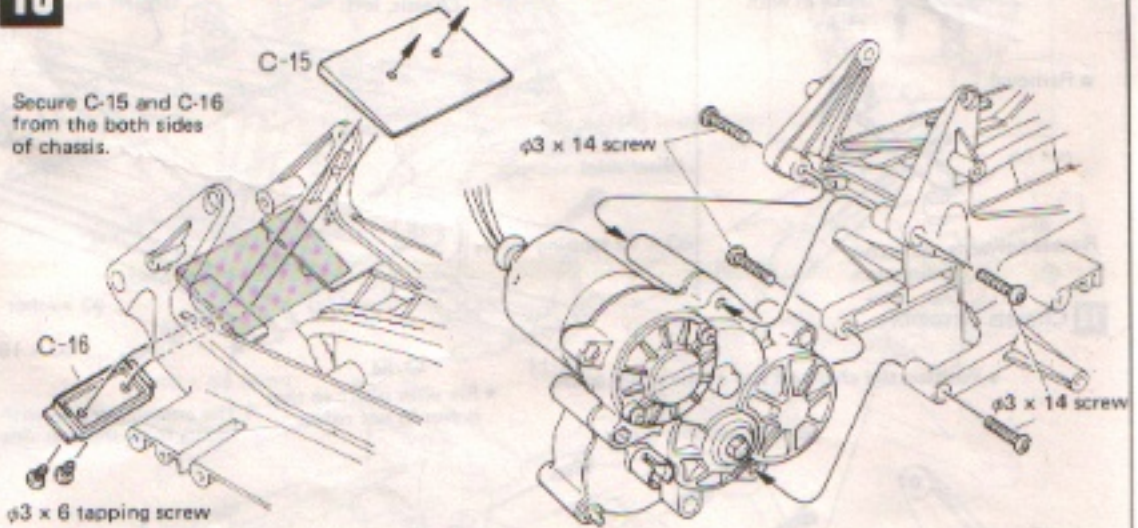
◀ Metallic parts used on this page ▶

Actual Size



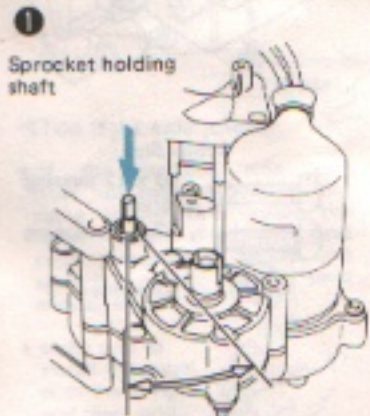
16 Receiver Plate and Gear Box Installation

Secure C-15 and C-16 from the both sides of chassis.



17 Rear Sprocket and Motor Holder Installation

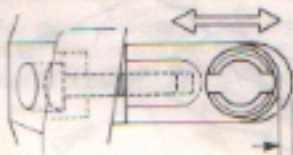
Install following instructions ① to ⑤ in order.



Position the shaft with its flat area facing this direction.

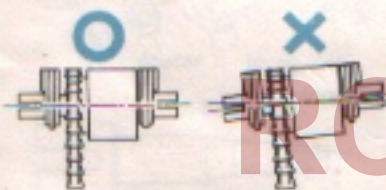
Chain Tension Adjustment

When tightening adjustment screws, make sure the clearance at both ends are the same.

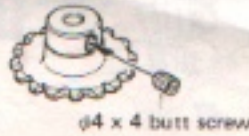


* This clearance must be the same at both ends.

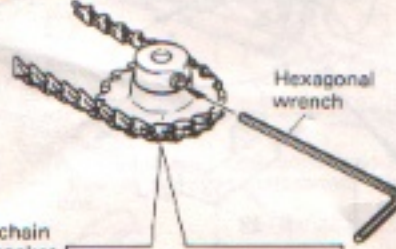
* If the clearance varies, the front shaft axis inclines.



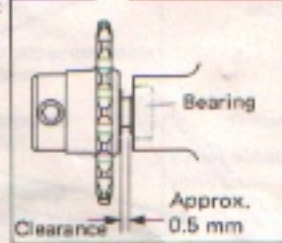
② Temporarily secure with a butt screw.



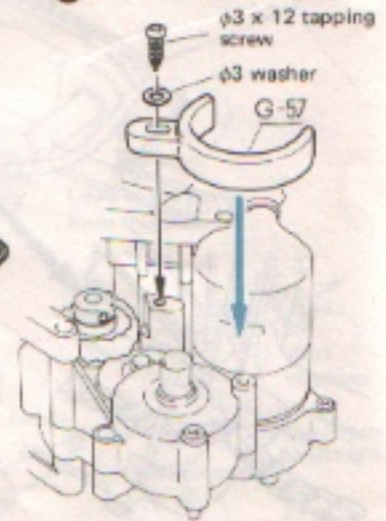
④ Tighten the butt screw.



③ Engage the chain with the sprocket and push in onto the shaft.



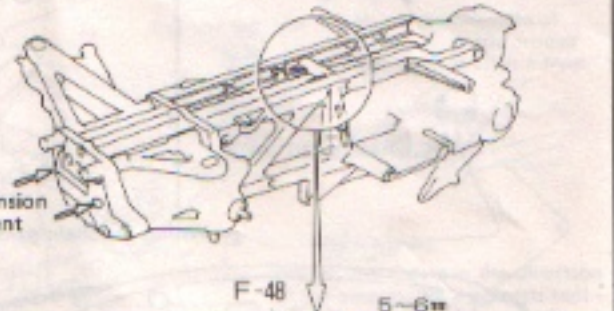
⑤ Motor Holder assembly.



18 Chain Tension Adjustment



Adjust the chain tension by tightening the screws. Reverse the Model as shown on the right and secure a clearance between 5 and 6 cm.



Adjust the chain tension by tightening the screws.

Never apply grease on the sprocket and chain. If applied, accumulated dust and sand may cause a malfunction.

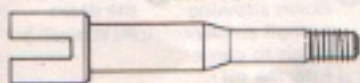
18 Rear Arm Assembly

< Tensac metal E-37 >

- Install the accelerator joint. If it does not rotate smoothly, sand with the sand paper provided in the same manner as described in Upright Assembly.



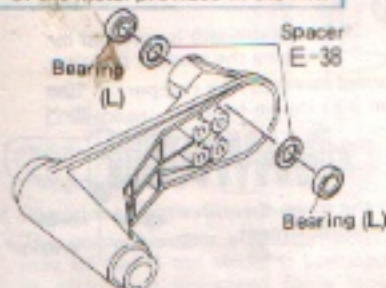
Actual Size



Rear accelerator joint

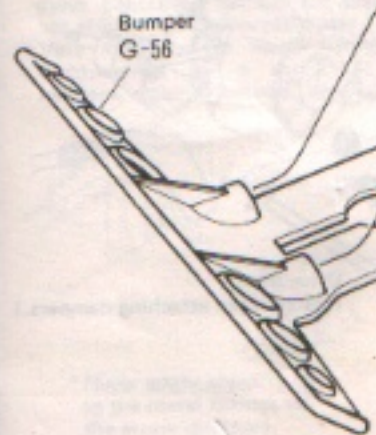
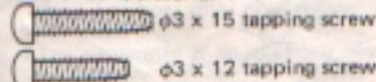
< For those who use bearing >

- Install spacers when the bearing sold in the market is used instead of the metal provided in the Kit.

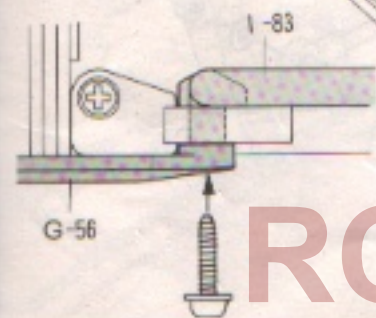


20 Rear Arm and Bumper Installation

Actual Size



Bumper G-56

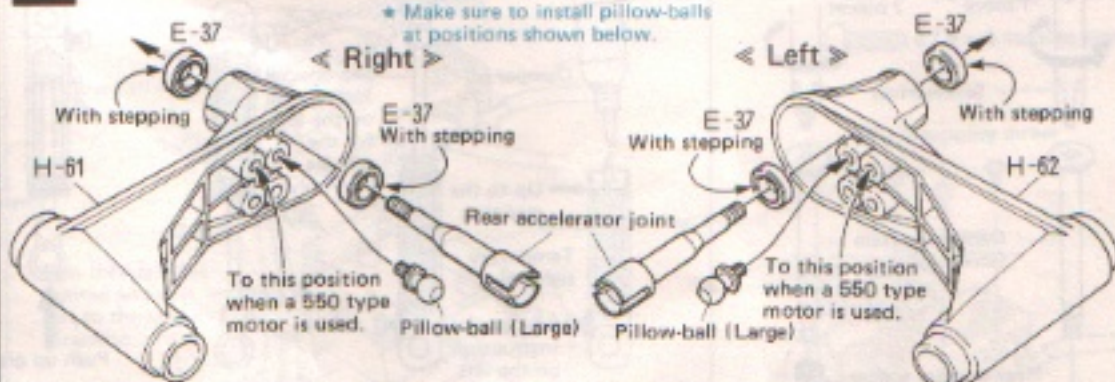


G-56

19 Rear Arm Assembly

H-61 and H-62 are same type parts.

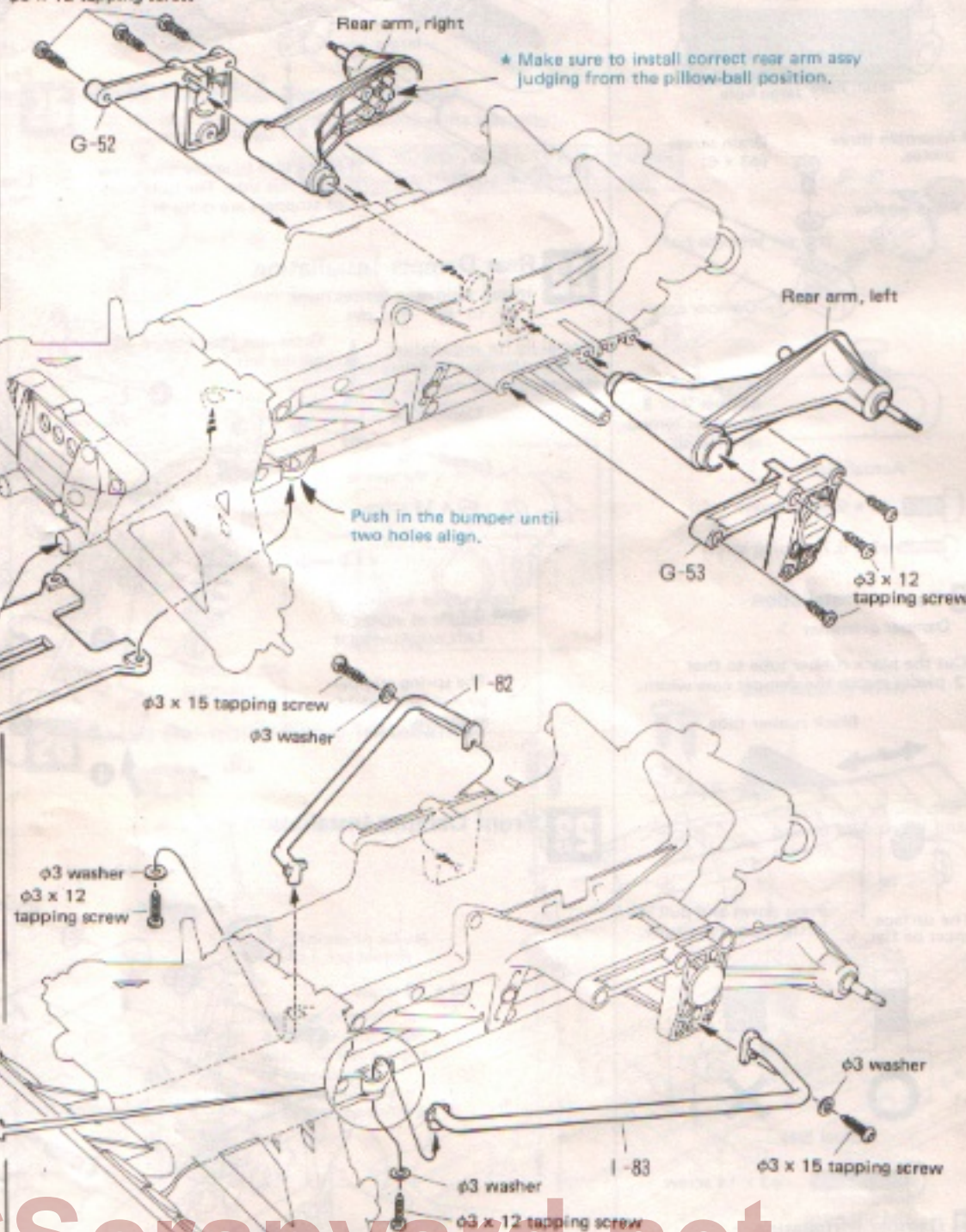
- Make sure to install pillow-balls at positions shown below.



- Install the pillow-balls as shown when a 550 type sold in the market is used.

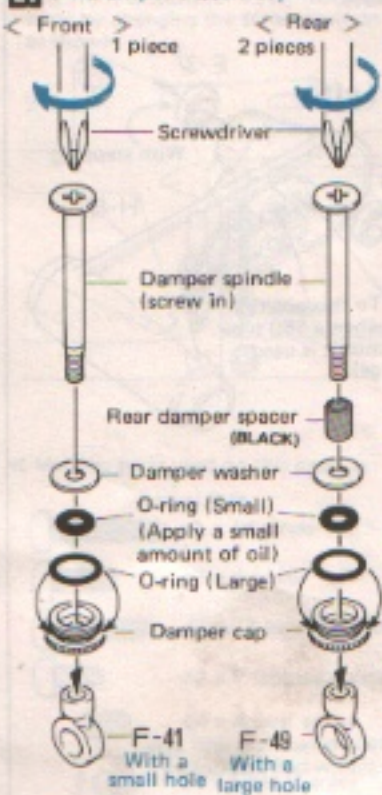
20 Rear Arm and Bumper Installation

φ3 x 12 tapping screw

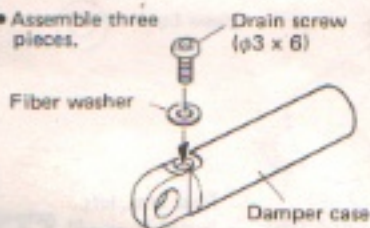


- Make sure to install correct rear arm assy judging from the pillow-ball position.

21 Oil Damper Assembly

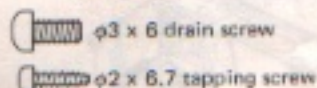


• Assemble three pieces.



• Screw in the oil damper 2 or 3 times for temporary fixing.

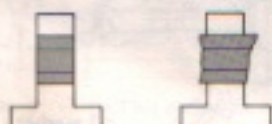
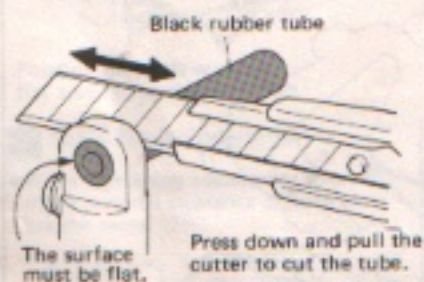
Actual Size



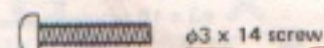
22 Damper Installation

< Damper grommet >

• Cut the black rubber tube so that 2 pieces match the damper case width.



Actual Size



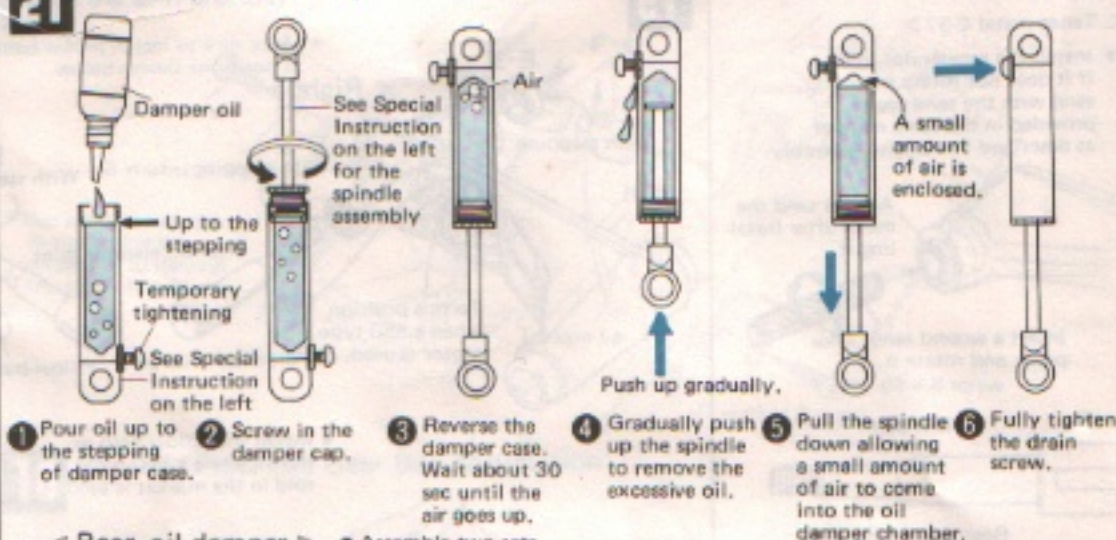
23 Damper Installation

Actual Size



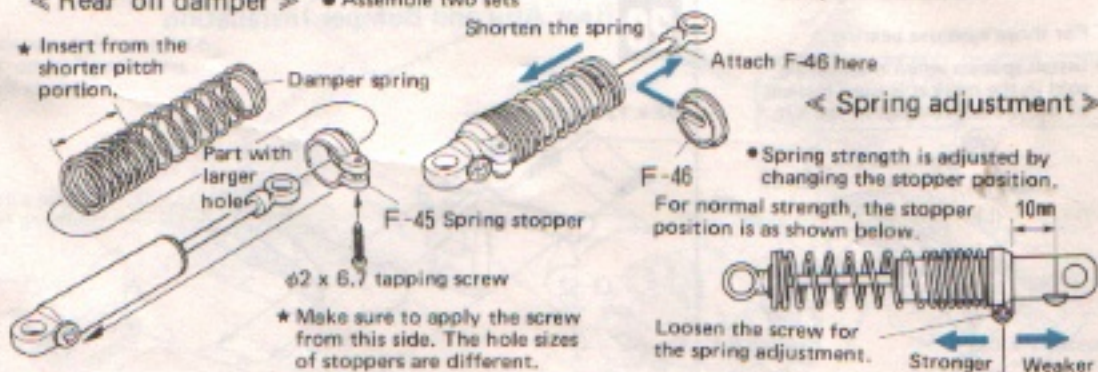
21 Oil Damper Assembly

• Assemble three pieces.



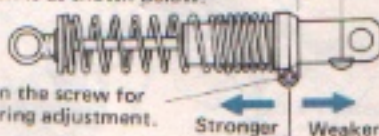
< Rear oil damper > • Assemble two sets

★ Insert from the shorter pitch portion.



< Spring adjustment >

• Spring strength is adjusted by changing the stopper position. For normal strength, the stopper position is as shown below.



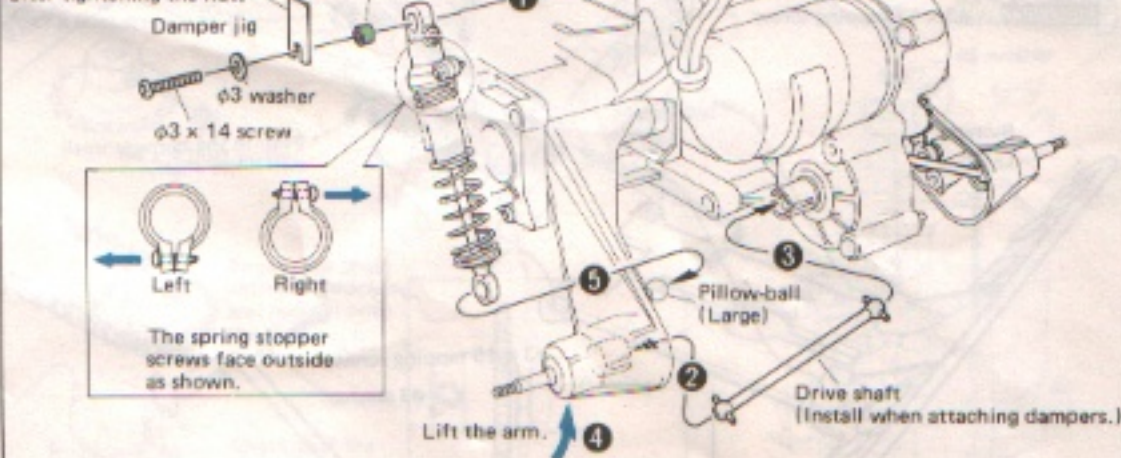
22 Rear Damper Installation

Install following instructions 1 to 5 in order.

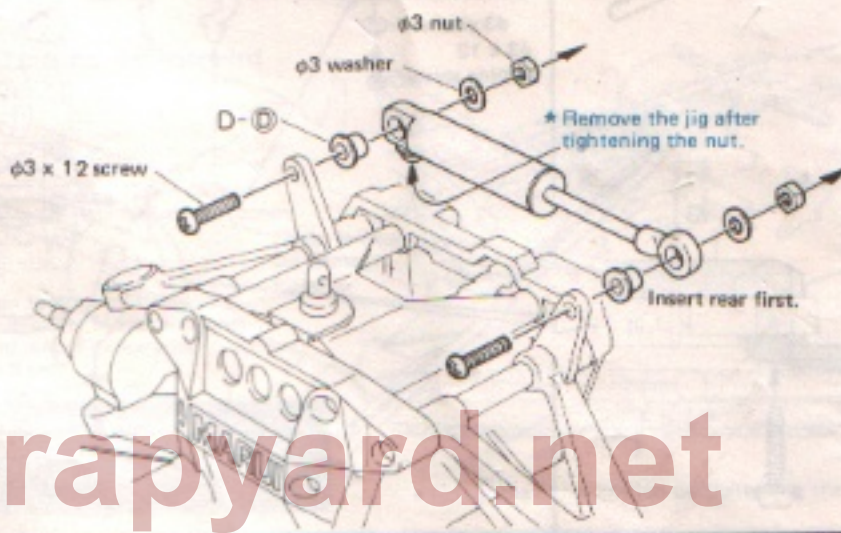
Special jig for installation. Remove the jig with pliers after tightening the nut.

Grommet (See Figure on the left.)

• Install the rear damper, right, in the same way.



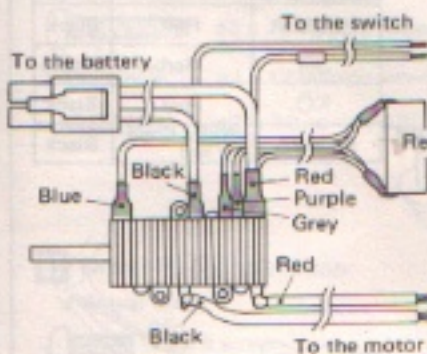
23 Front Damper Installation



RCScrapyard.net

24 Speed Controller Assembly

◀ Speed controller ▶



◀ Switch position ▶

* When this line is here, the controller is at the neutral (stop).

Brake, Back

Low-speed
Middle-speed
High-speed

◀ Operational Precautions ▶

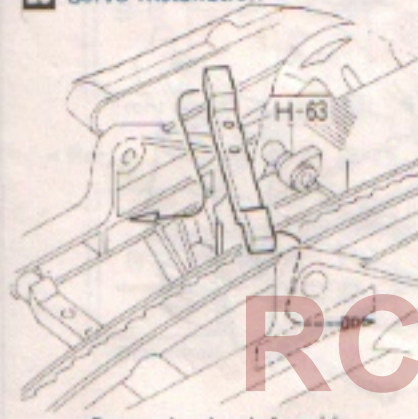
- The controller uses a resistor which may be hot if the Model is operated in middle- or low-speed for a long period of time. Heated resistor may cause melt heat-shrink tube or solder. Operate in high-speed as much as possible.
- Some parts such as the resistor may be hot after operation. Do not touch them.
- The controller is an electrical device using high current. It should be considered as a consumable item.
- The controller is a closed type, but occasional cleaning of contacts with cloth containing thinner for plastic use after removing the rear cover.
- Very seldomly the metal fitting is disconnected by a shock. If it happens, repair as follows:



Push into the groove.

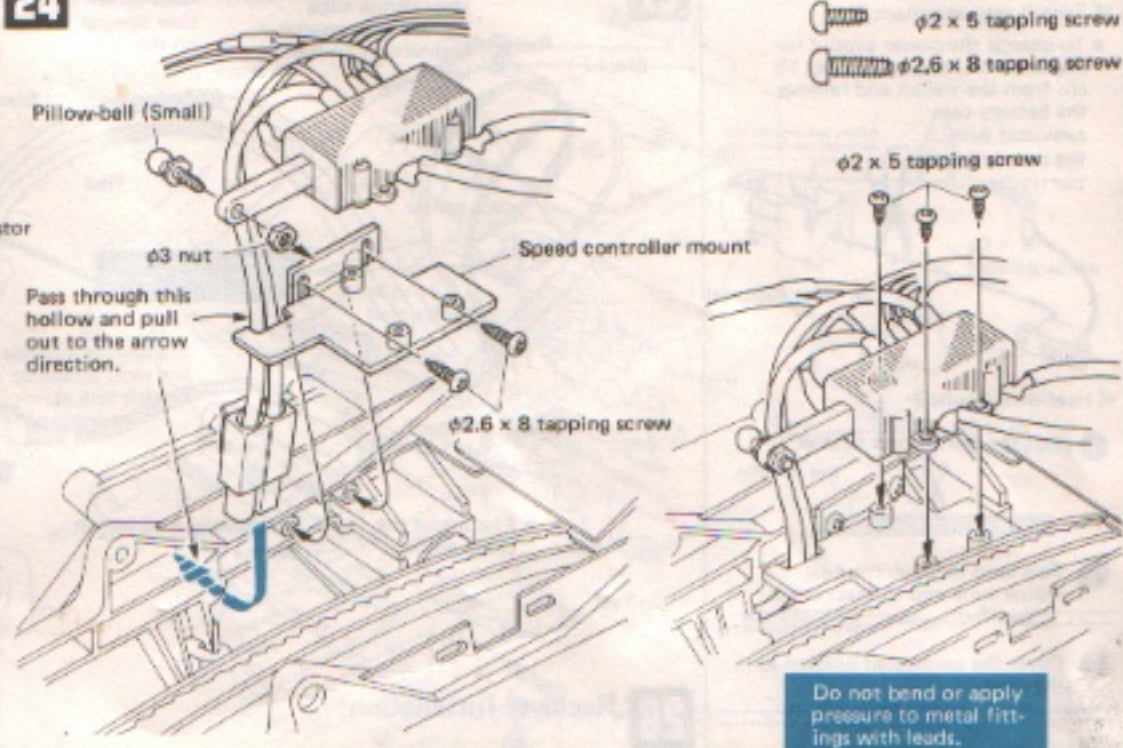
* Never apply pressure to the metal fittings to the arrow direction.

25 Servo Installation



• Pass under the chain guide.

24 Speed Controller Installation



Actual Size

φ2 x 5 tapping screw

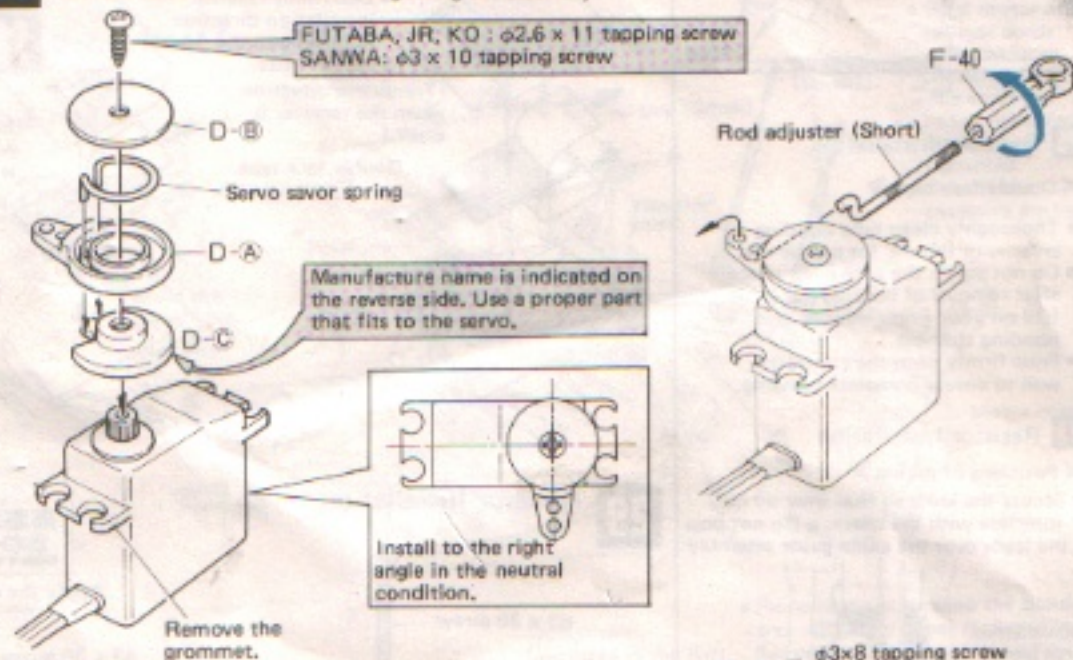
φ2.6 x 8 tapping screw

φ2 x 5 tapping screw

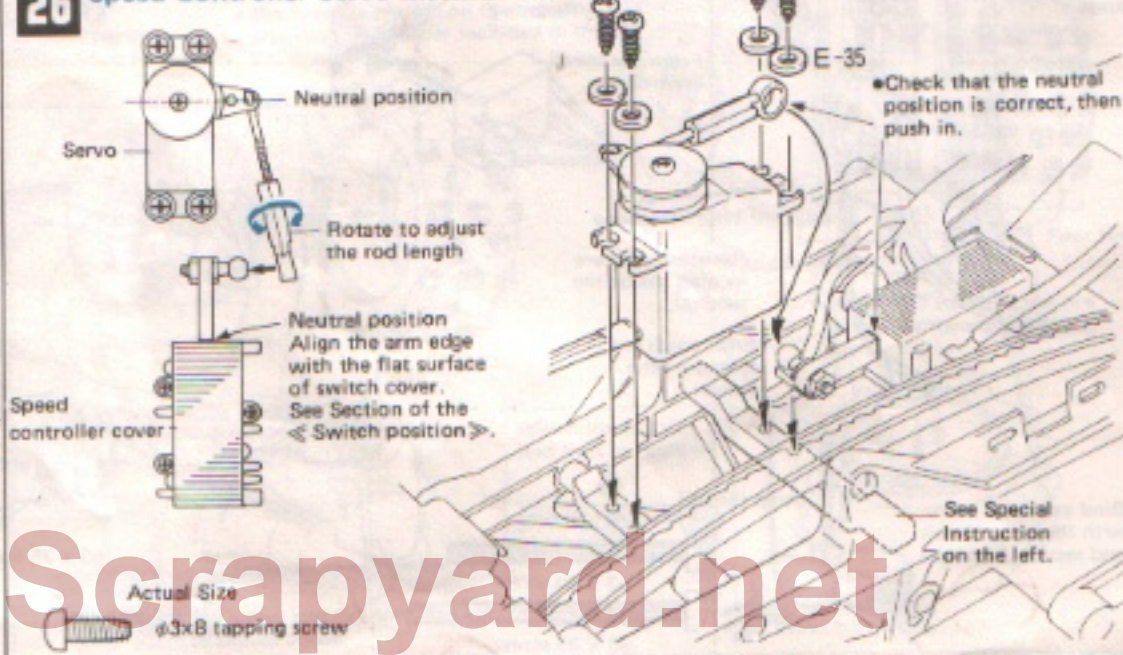
Do not bend or apply pressure to metal fittings with leads.

25 Speed Controller Servo Assembly

* Set the servo to neutral before beginning the assembly.



26 Speed Controller Servo Installation



Actual Size

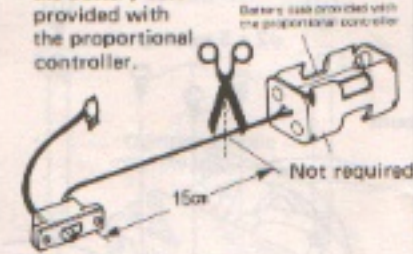
φ3x8 tapping screw

RCScrapyard.net

27 Switch and motor cords

Switch rearrangement

- To change the power supply for common use, cut the cord at 15 cm from the switch and remove the battery case provided with the proportional controller.



Heat-shrink tube

- Cut the heat-shrink tube at the middle.
- Pass cord through the heat-shrink tube and connect cords.
- Cover the connected portion with the tube.
- Shrink the tube by heating it with a hair dryer.



28 Receiver Installation

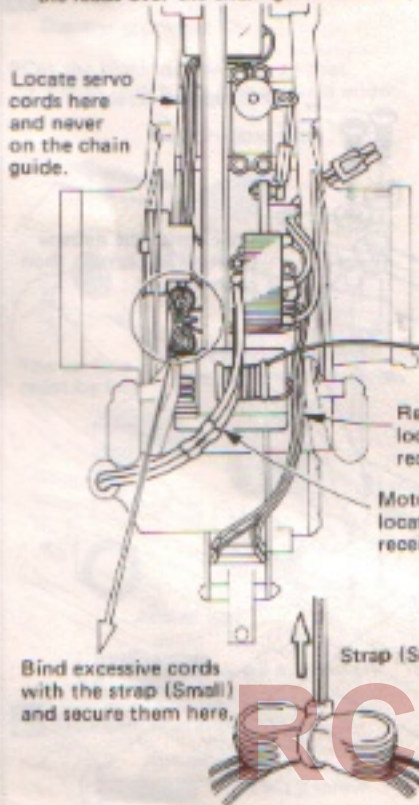
Double face tape

- Thoroughly clean tape bonding areas with thinner for plastic use.
- Do not touch the adhesive surface after removal of backing paper. (Oil on your finger may reduce bonding strength.)
- Press firmly onto the controller wall to ensure complete bonding.

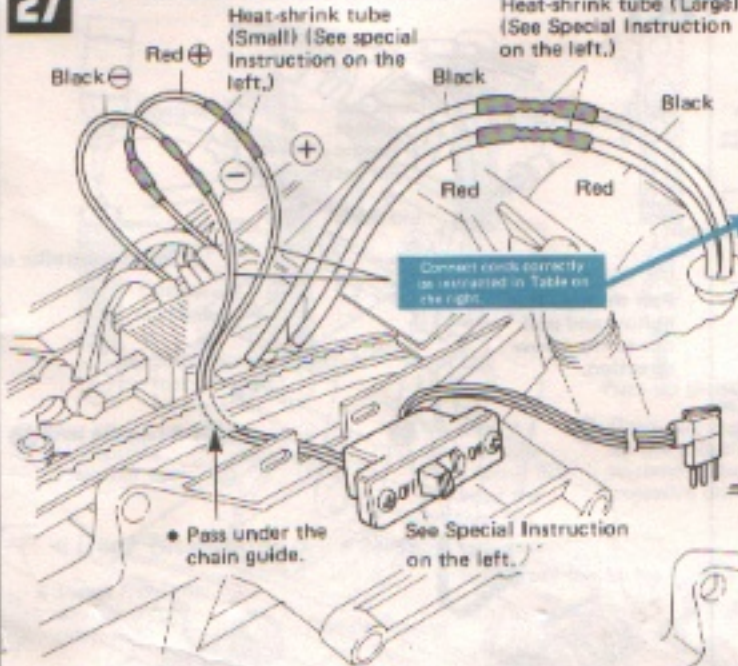
29 Resistor Installation

Positions of wiring

- Secure the leads so that they do not interfere with the chain. Do not pass the leads over the chain guide assembly.



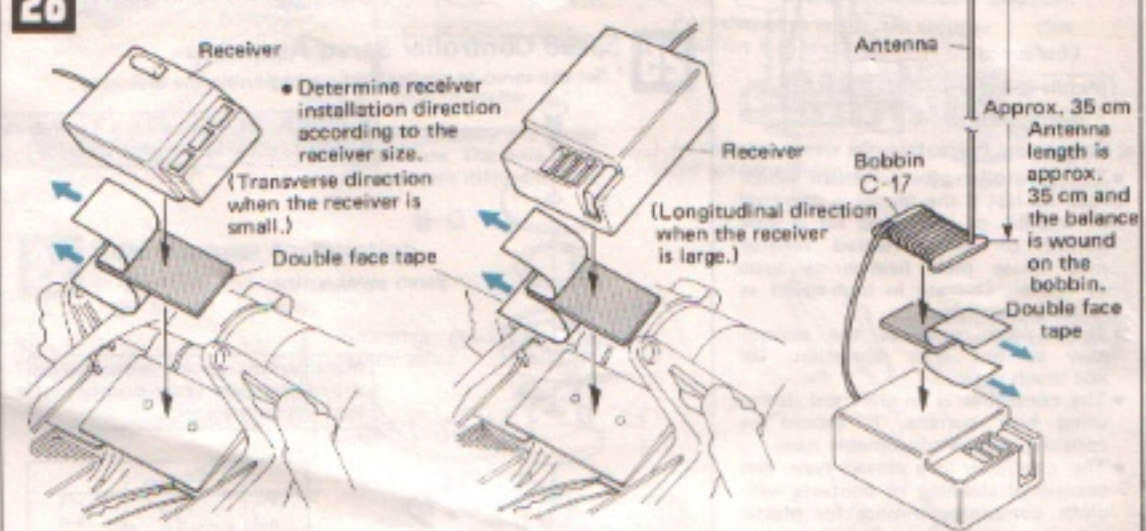
27 Switch and Motor Cords



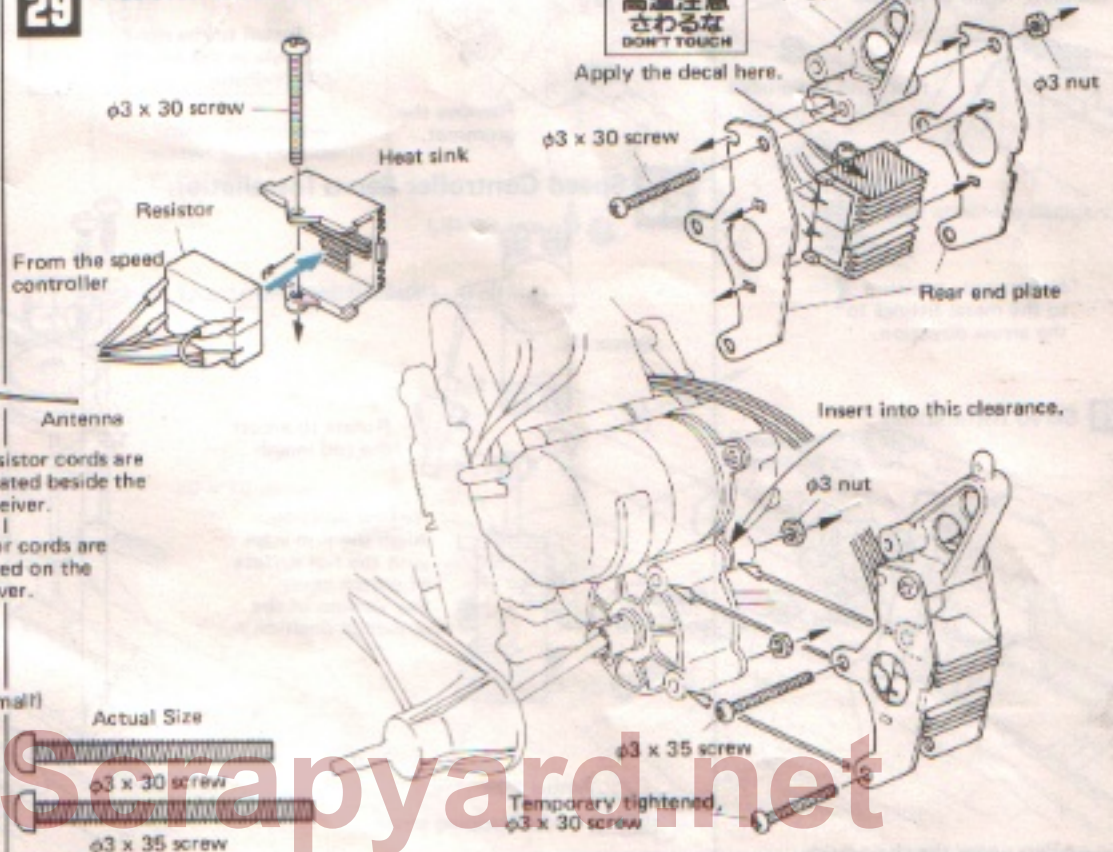
Switch lead colors and polarity

Manufacturer	Polarity	
	+	-
FUTABA	Red	Black
JR	Red	Brown
KO	Red	Black
SANWA	White lined or red	Black

28 Receiver Installation

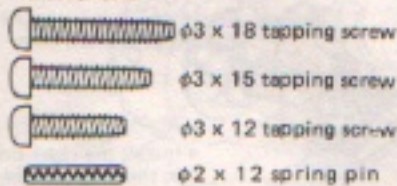


29 Resistor Installation



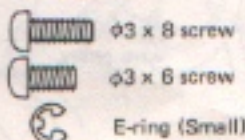
30 Roll Cage Installation

Actual Size

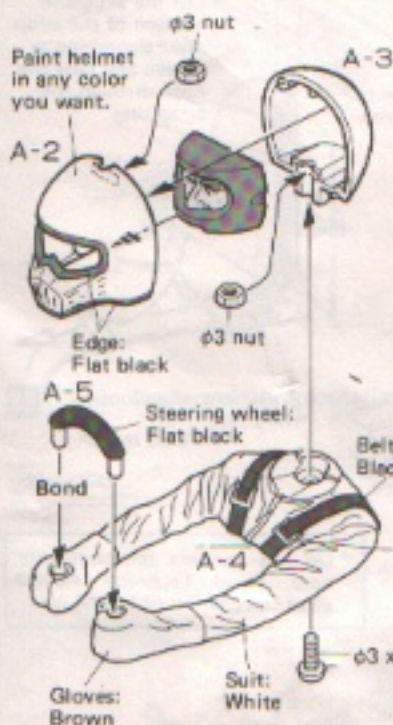


31 Driver Roof Installation

φ Actual Size



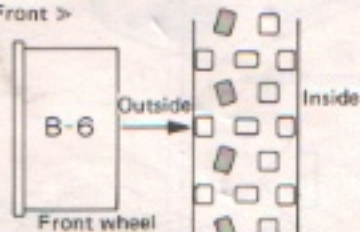
< Driver Assembly and Painting >



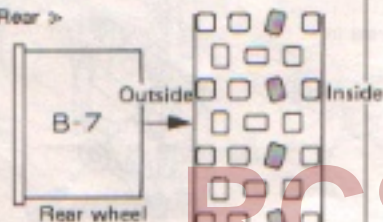
32 Tire Assembly

* Be careful for tire outside and inside since patterns are different.

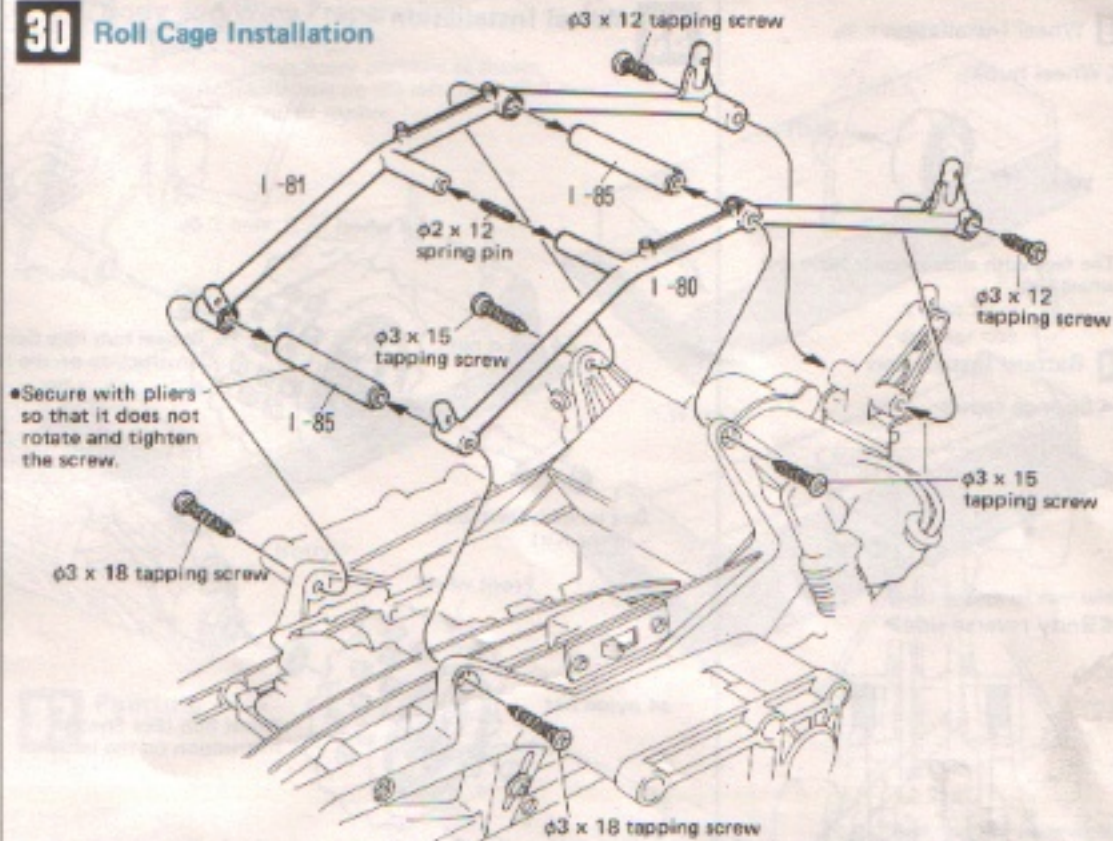
< Front >



< Rear >



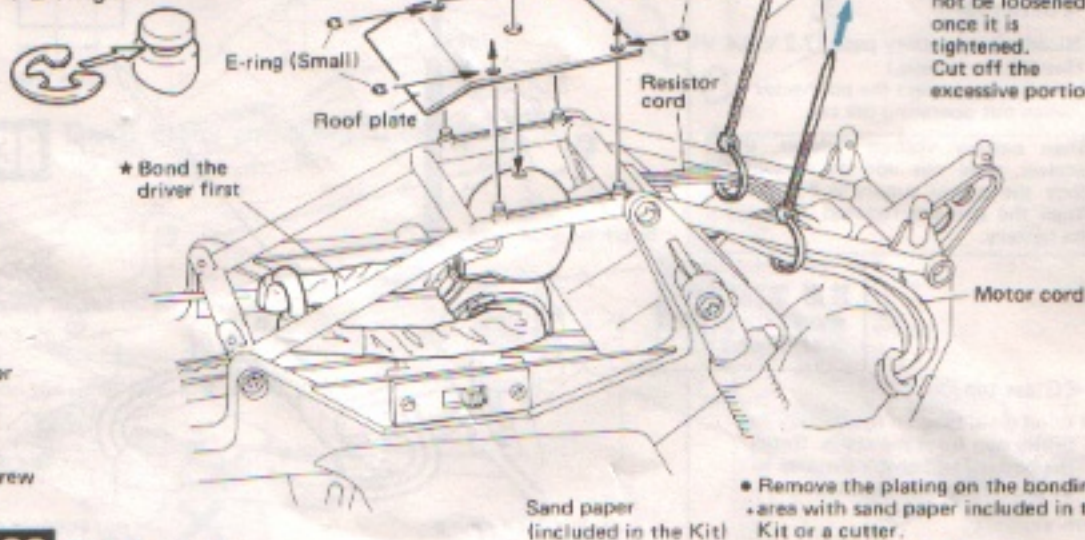
30 Roll Cage Installation



• Secure with pliers so that it does not rotate and tighten the screw.

31 Driver Roof Installation

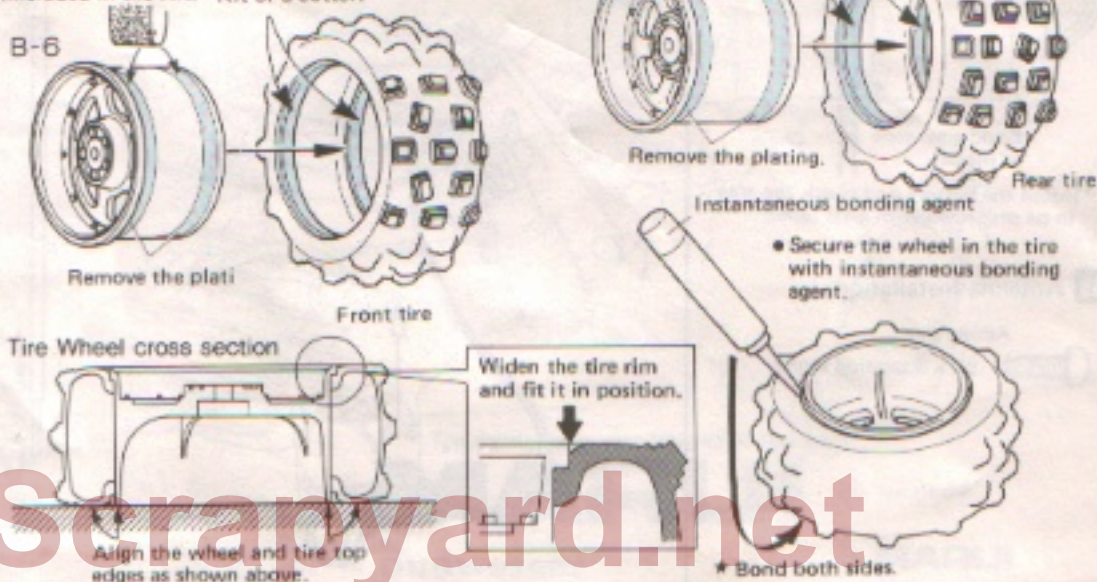
< E-ring >



• Bind motor and resistor cords with the strap (Small). The strap can not be loosened once it is tightened. Cut off the excessive portion.

32 Tire Assembly

Sand paper (included in the Kit) • Remove the plating on the bonding area with sand paper included in the Kit or a cutter.



33 Wheel Installation

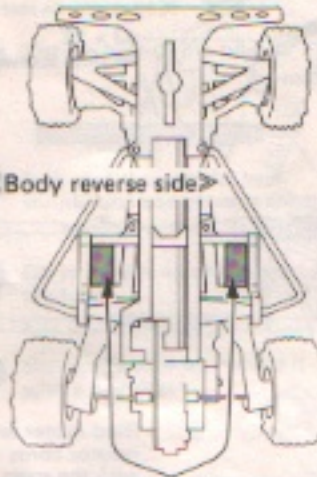
<Wheel hub>



- The face with slide stopper faces the wheel side.

34 Battery Installation

<Sponge tape>



Cut the sponge tape into half and bond it here.

<Battery>

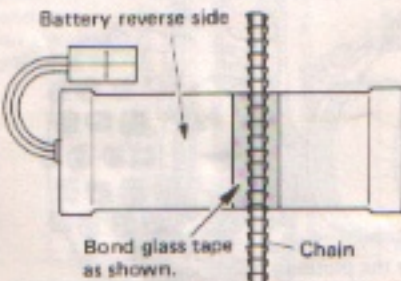
- Nicad racing battery pack (7.2 V-8.4 V) (See P.2 for details.)
- *Always disconnect the connector when not operating the car.

When battery voltage reduces, the receiver does not operate correctly since the power supply is common. When the speed is reduced, recharge the battery.

注意 PUT OUT CONNECTOR AFTER SERVICING
 走行後、バッテリーコネクターをはずす

<Glass tape>

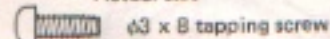
- Bond glass tape on the battery for protection from the chain. Install the battery and check the area to be protected with glass tape.



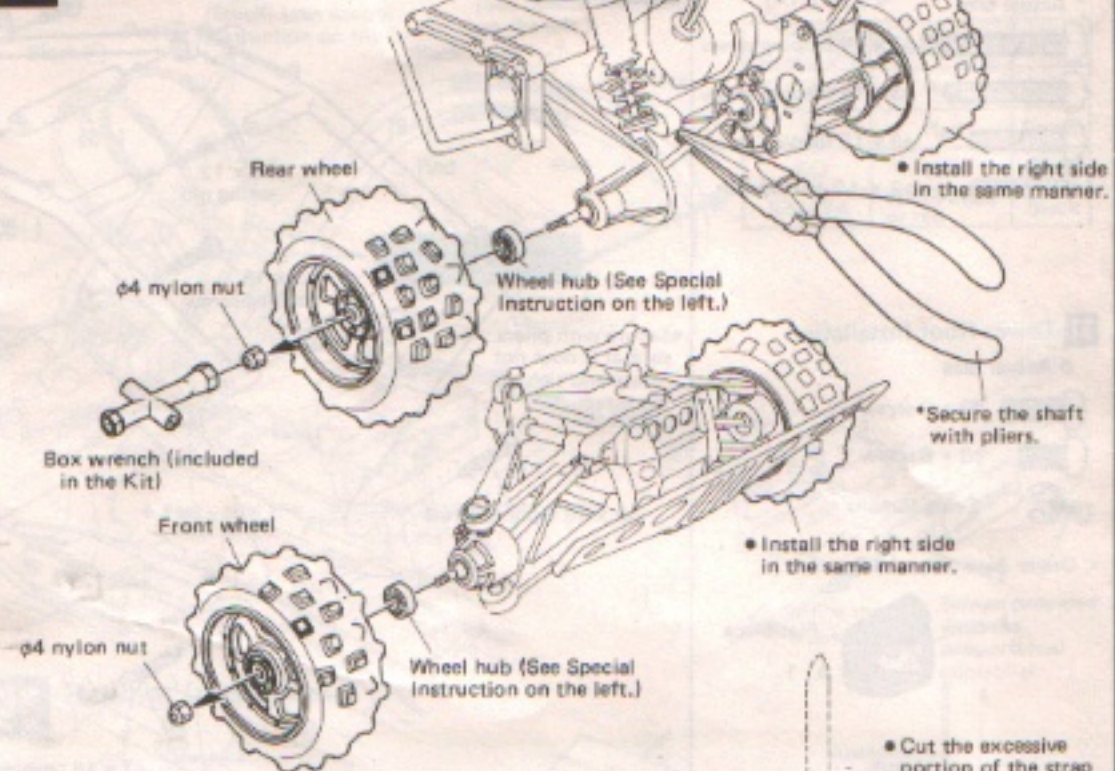
- *Install the battery and check the area to be protected with glass tape.

35 Antenna Installation

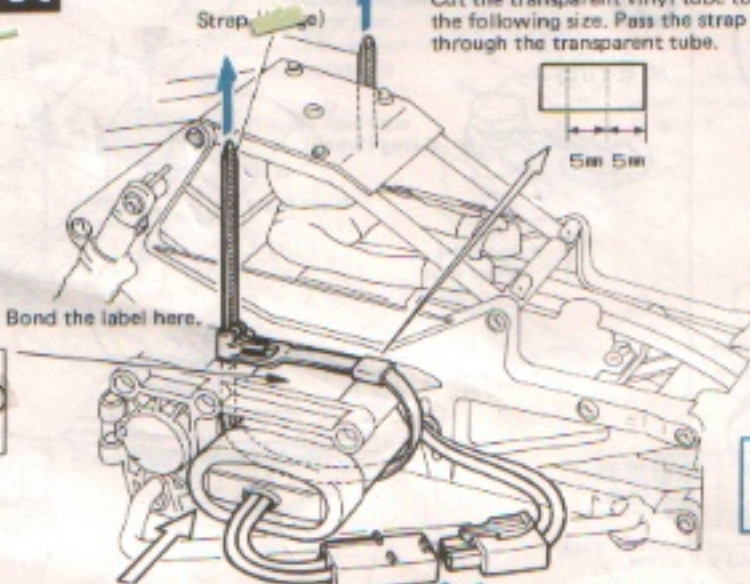
Actual size



33 Wheel Installation

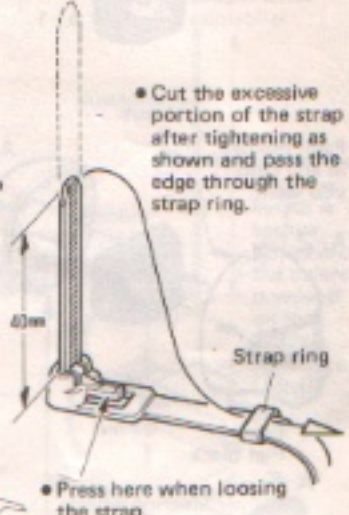


34 Battery Installation



<Strap ring>

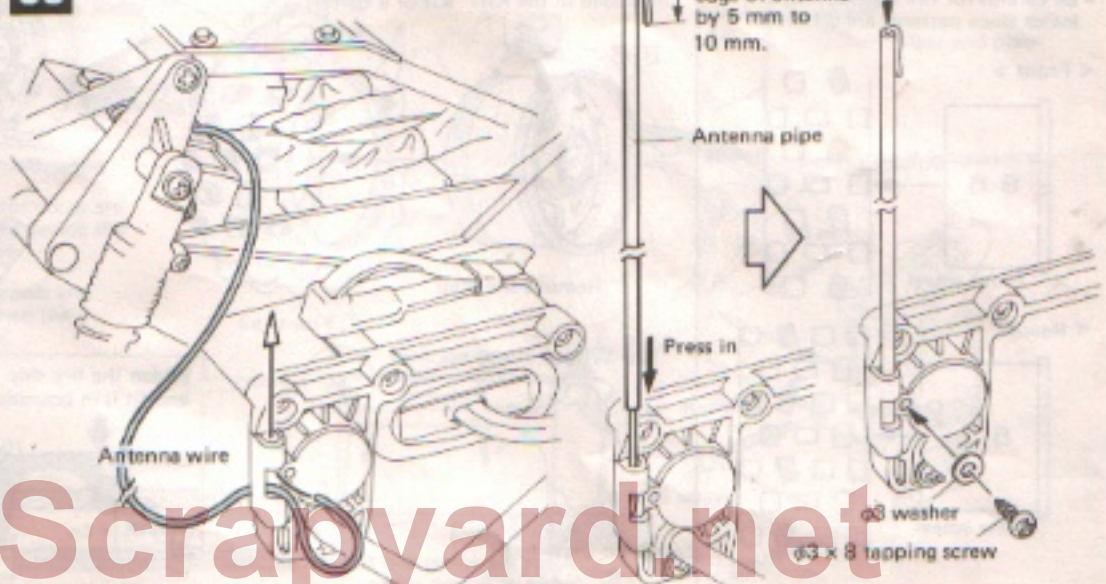
Cut the transparent vinyl tube to the following size. Pass the strap through the transparent tube.



- Press here when loosening the strap.

*Do not connect the connector here. Read Technical Advice after completion of Model.

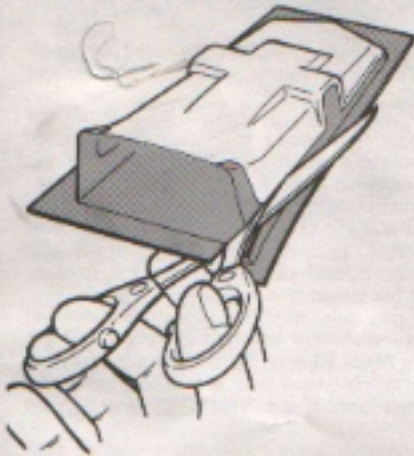
35 Antenna Installation



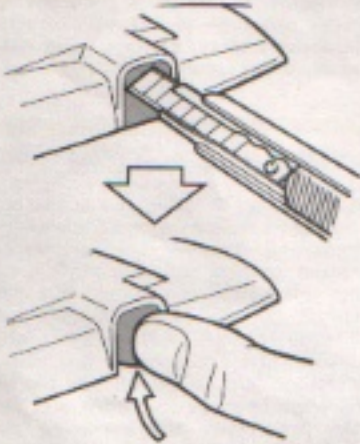
36 Body and Wing Preparation

<Cutting the body and wing>

- Cut off the unnecessary portion with a cutter or scissors.

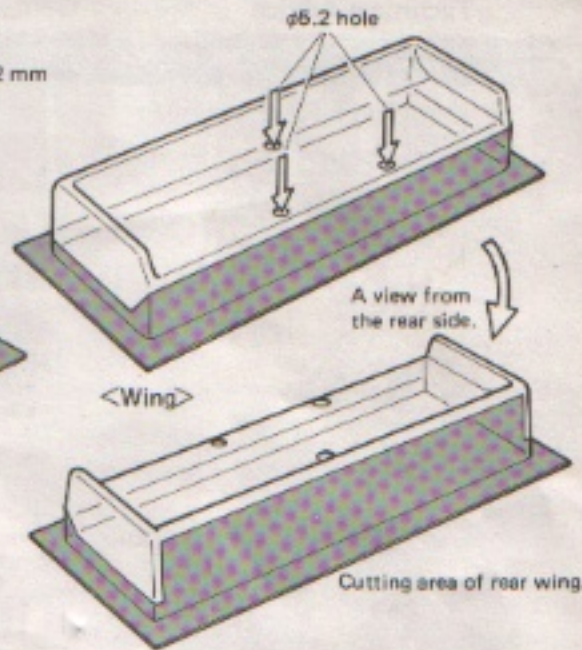
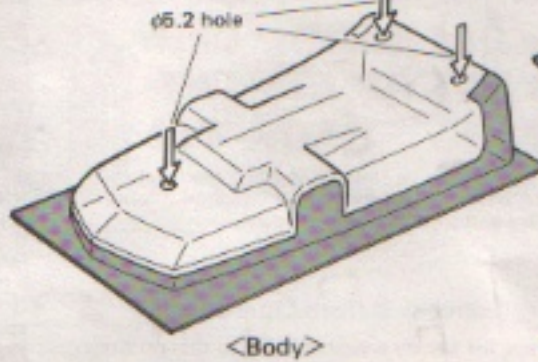


- Gradually cut several times and press with your finger to remove small portions as shown.



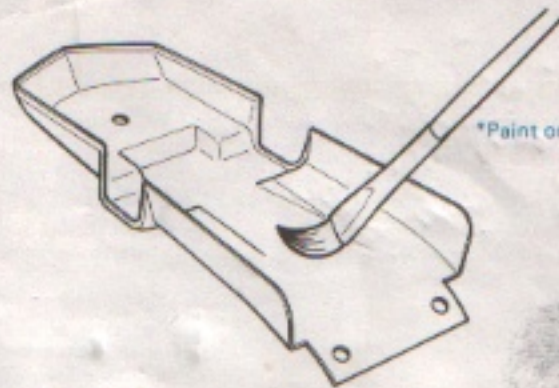
36 Body and Wing Preparation

- Cut off the unnecessary portions as shown in Special Instruction on the left. Drill $\phi 5.2$ mm holes with a drill or reamer.



37 Painting

- Thoroughly clean with water solution of neutral detergent.
- Paint with paint for polycarbonate plastic on the body reverse side.

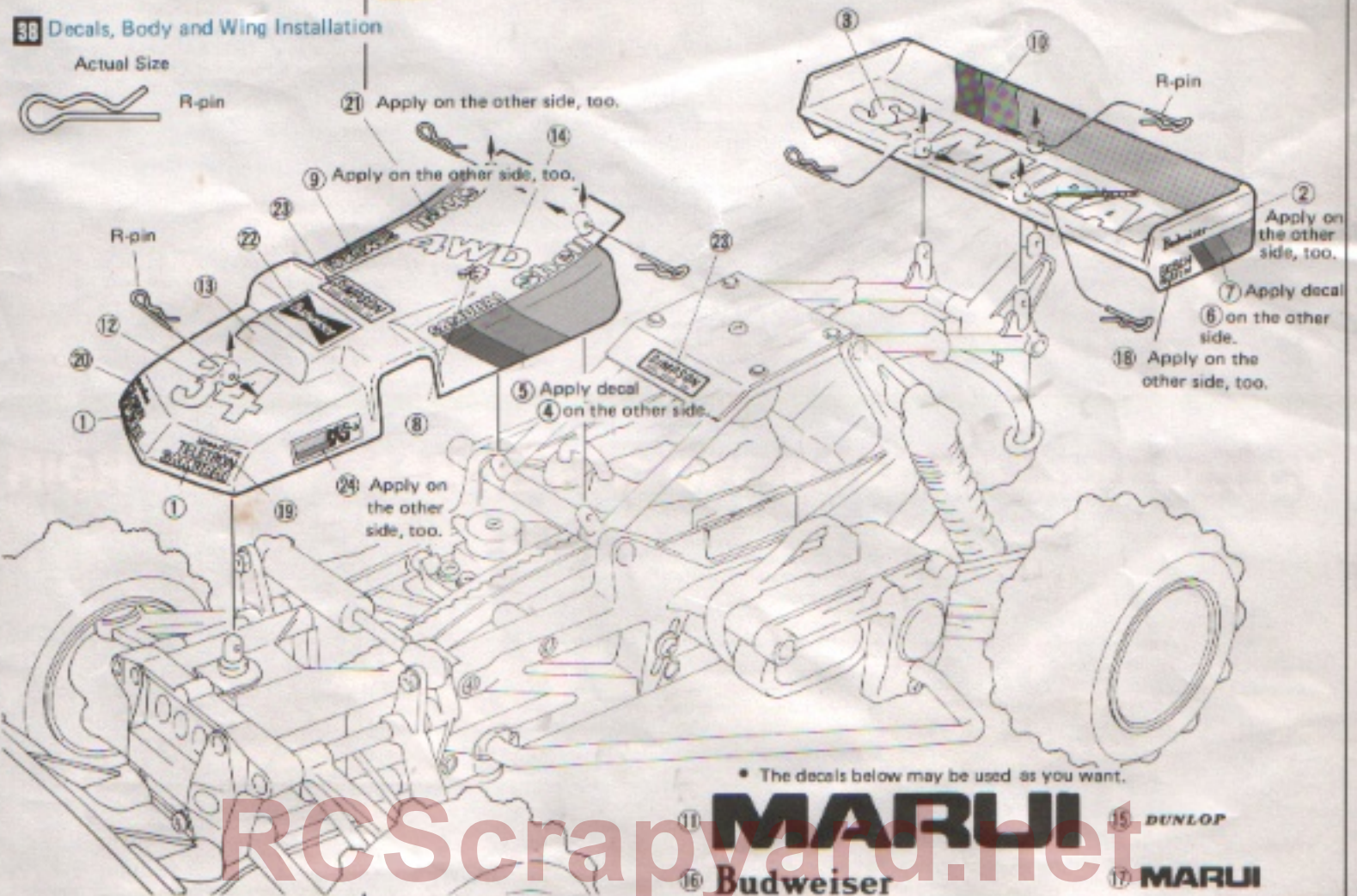


*Paint on the reverse side.

38 Decal, Body and Wing Installation

38 Decals, Body and Wing Installation

Actual Size



• The decals below may be used as you want.



THE SAMURAI 4WD runs at a high-speed. Special care must be paid when operating.

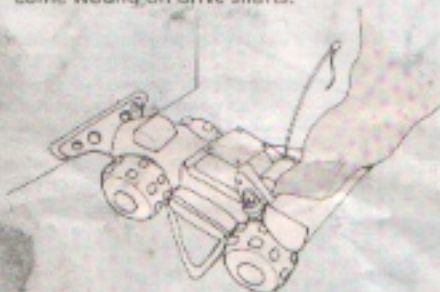
<Operational Precautions>



- Do not operate in a crowded place, in a presence of small children, or on traffic roads.



- Avoid puddles as water may damage the motor or proportional controller circuits.
- The controller and motor heat up during operation. Be careful not to burn yourself by carelessly touching them soon after operation.
- Avoid grassy areas since long grass may become wound on drive shafts.



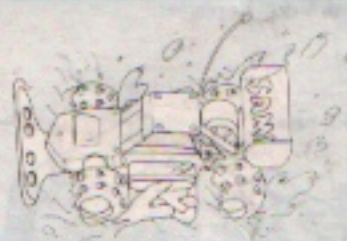
- When the car encounters an obstacle, do not try to continue driving as excessive load may result in a burnt motor.



- Incorrect jumping may damage the chassis. The Model's weight balance allows it to land beautifully if it is travelling straight at its full speed prior to a jump. (However, avoid excessively high jump.)



- Although the Model is designed as an off-road car, avoid excessively rough areas with many sizable stones.



- When the car is trapped in deep sand, return the transmitter levers to their neutral positions and turn the controller off.

<Checks Before Operation>

- ★ Place the car on a proper stand so that no tire contacts the ground before beginning checks. If such a stand is not used, the car may run all of the sudden which is dangerous.



- 1 Are all screws and nuts tight? Check especially those securing the driving components.
- 2 Are all wiring firmly connected? Damaged vinyl tape or solder may cause short-circuit. Repair such connection with insulation vinyl tape. (See Step 2 on Page 12.)
- 3 Do the proportional controller batteries have sufficient power? Reduced power causes "no control." (See Page 2.)
- 4 Is the motor battery sufficiently recharged? (See Page 2.)
- 5 Does the controller function sharply? (Refer the manufacturer's instructions and Page 11 for controller adjustment.)
- 6 Does the steering operate correctly? If the car does not run straight, turn the steering lever trim toward the opposite direction of the car's drift. (See Steps 2 on Page 5 and 11 on Page 7.)
- 7 After the above checks, test-run the car for one to two minutes and check for faulty contacts of drive components. Be careful so that the car does not drop from the stand and run.

<Checks and Maintenance after Operation>

- 1 Always disconnect the battery connector after operation.
- 2 Thorough maintenance after use is important for maintaining performance and prolonged service life.
- 3 Remove accumulated dirt and sand completely.
- 4 Always turn the proportional controller off.
- 5 Regularly apply grease to gears and other moving parts.
- 6 Replace damper oil after every 20 operations.
- 7 Check for loosen screws and nuts.

<Troubleshooting>

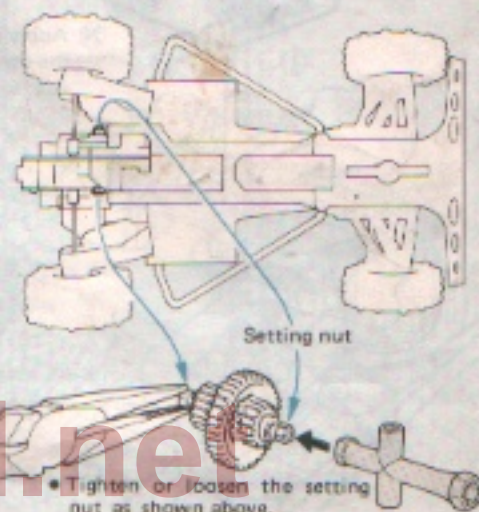
- If the car does not move forward although the motor is operating, see Pages 3, 4, 5, and 8.
- If the motor or gear generates abnormal noise and the rear or front wheel chain does not operate smoothly, see Steps 2 and 11 on Pages 4 and 8.
- If the car does not respond properly to controller instructions or performs abnormally, see Steps 2 and 11 on Pages 2 and 5.
- If the speed control abnormal without reaching the full speed, see Page 11.
- If the car does not run straight or steering response varies on turns to the right and the left, see Steps 2 and 11 on Pages 5 and 7.
- If the chain does not rotate or generates abnormal sound, see Steps 11 and 11 on Page 8.
- If the controller is likely the cause of malfunction such as the servo does not operate, check: (1) if the battery power is sufficient, (2) battery wiring, and (3) the wiring of servo, connector, or motor is disconnected. If the faulty operation is still not corrected after the above checks, contact your radio controller dealer for repair.

<Center Differential Gear>

Tire speed difference occurs between the outside and inside tires during sharp cornering. For compensating the tire speed difference, the differential gear is required. A R/C car without the differential gear would not clear a sharp corner because of under-steering or braking. THE SAMURAI 4WD has not only front and rear differential gears, but also a center differential gear to compensate the tire speed difference between the front and rear tires greatly improving the cornering performance when compared with the conventional R/C model cars. In the conventional 4WD model cars, their front tires rotate at unnecessarily high speeds often causing the under-steering in sharp, high-grip corners. THE SAMURAI, with the built-in center differential gear, will give you satisfaction with its sharp cornering performance.

<Center Differential Gear Setting>

- Set the central differential gear according to the road conditions.
- Center differential gear ON (Loosen the setting nut): Effective for flat and rigid off-road.
- Center differential gear OFF (Tighten the setting nut): Effective for off-roads with many gaps or sandy off-road.
- For sprint competitions, setting the center differential gear to OFF is recommended.



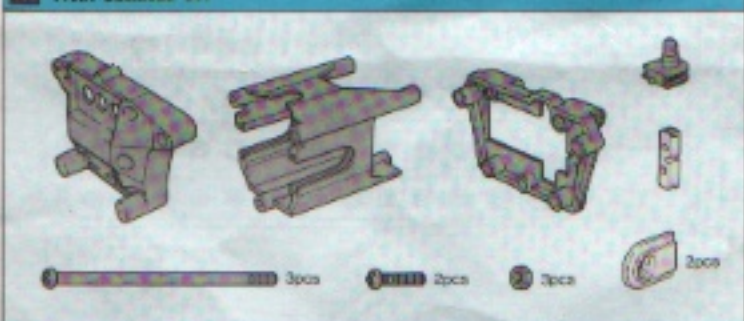
RCScrappyard.net

RC THE SAMURAI 4WD SPARE PARTS LIST

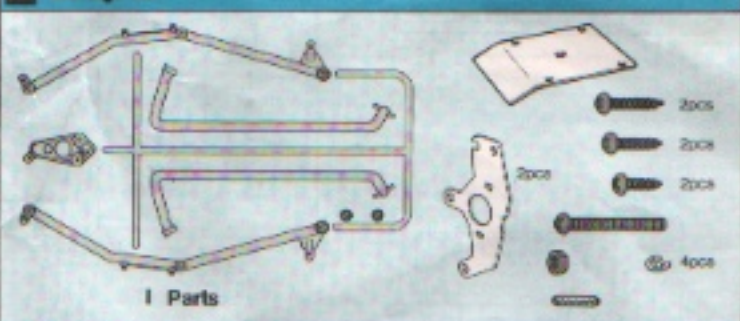


MARUI RADIO CONTROL CAR

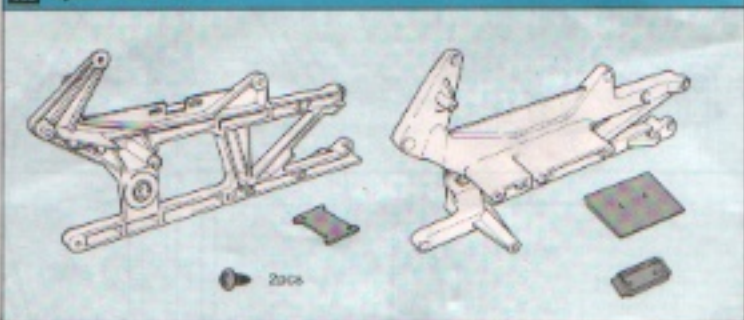
100 Front bulkhead set



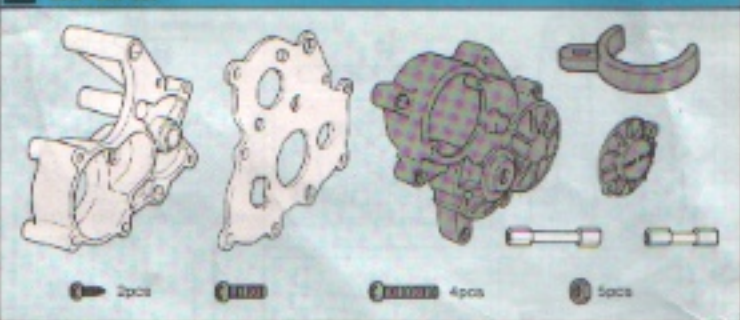
101 Roll-cage set



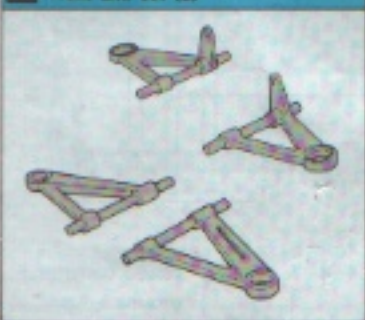
102 Space frame set



103 Gear box set



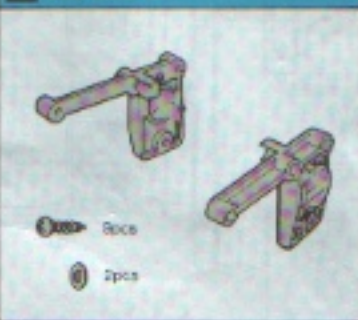
104 Front arm set (D)



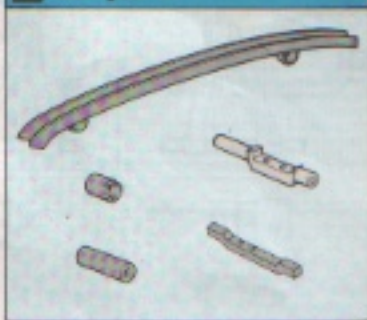
105 Rear arm set (C)



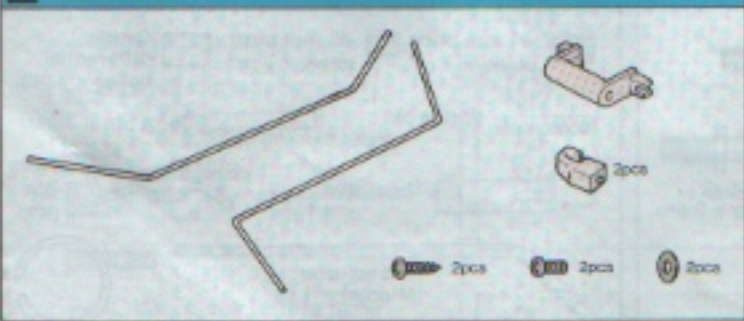
106 Side cover set



107 Chain guide set



108 Torsion bar set



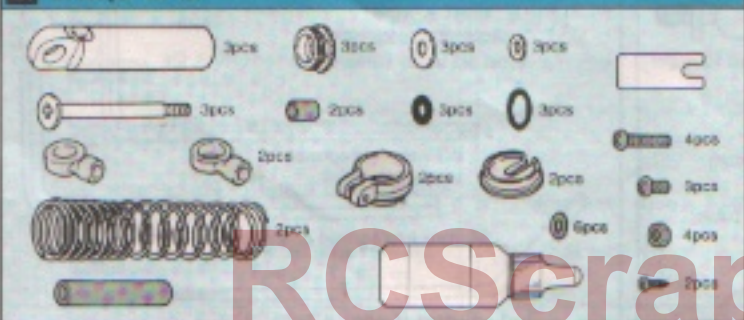
109 Rear diff. gear set



110 Front diff. gear set



111 Oil-damper set (C)



112 Servo saver set (B)



113 Spur gear set

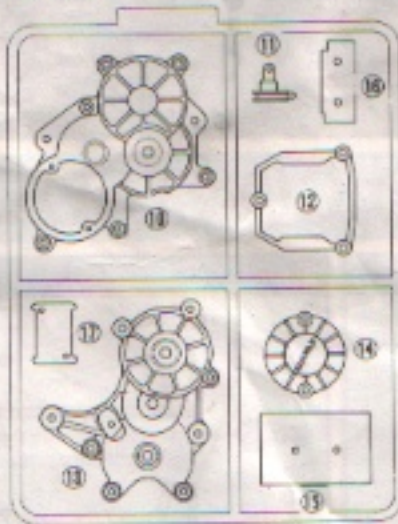


ROScrapyard.net

Parts A



Parts C

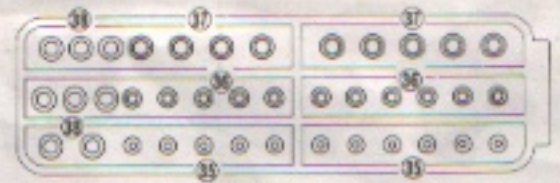


Parts D



Part 22 is not used.

Parts E



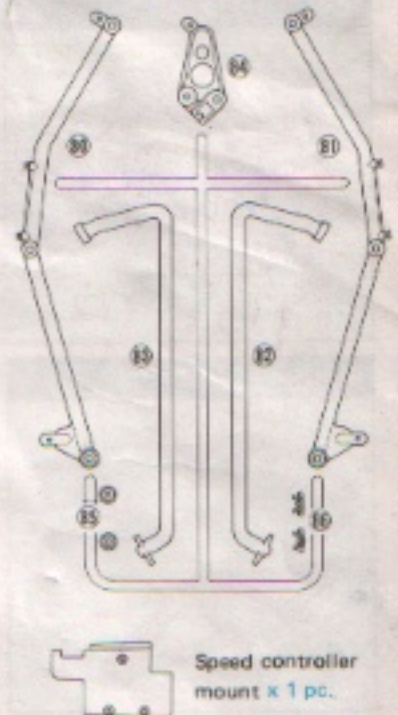
Parts H



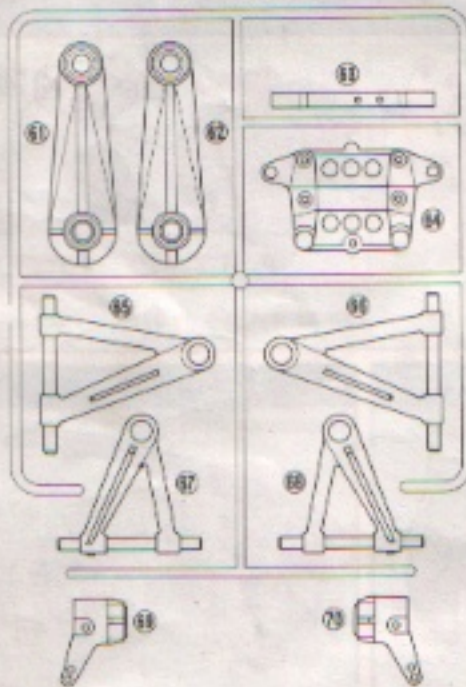
Parts F



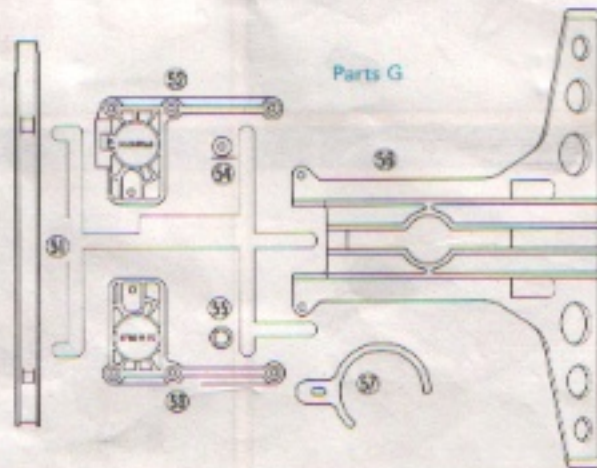
Parts I



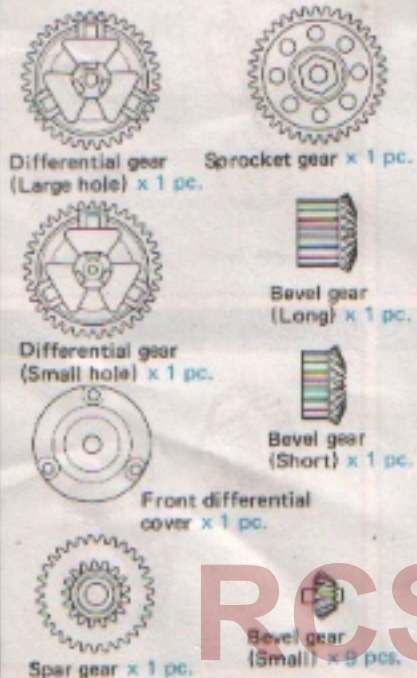
Speed controller mount x 1 pc.



Parts G



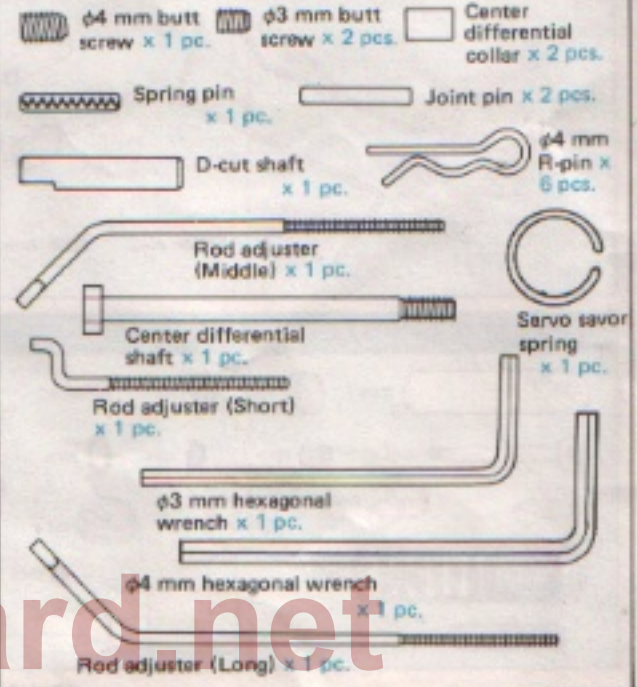
Gear Set



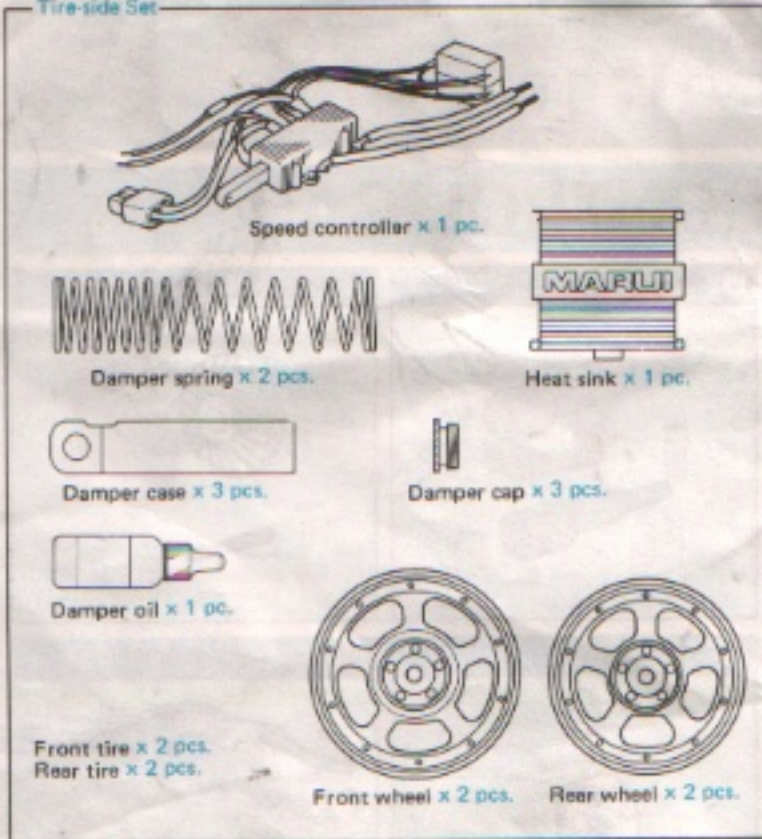
Set A



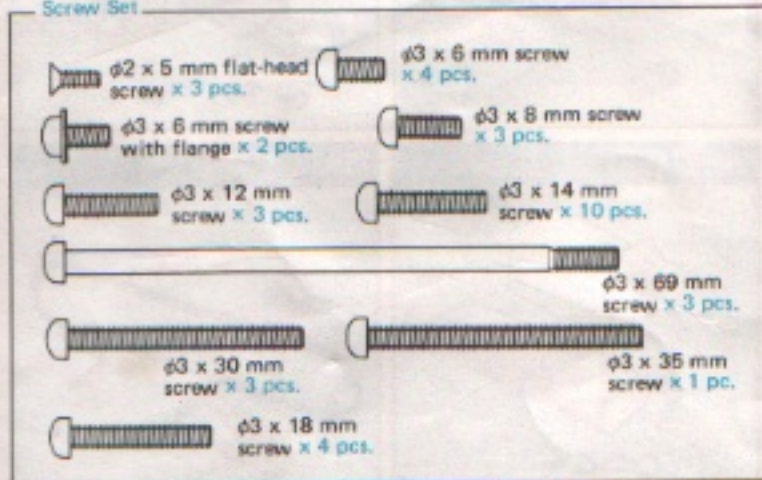
Set B



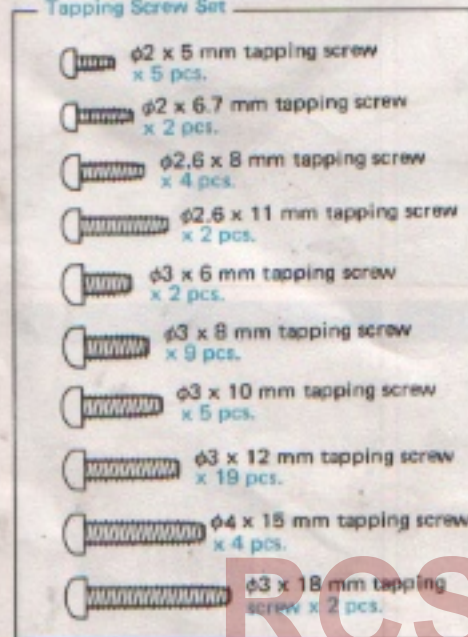
Tire-side Set



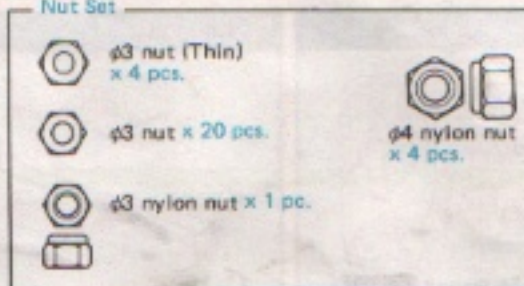
Screw Set



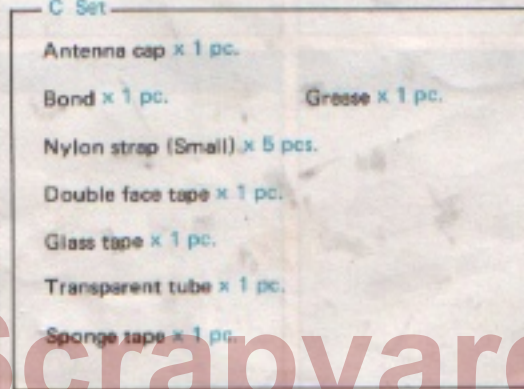
Tapping Screw Set



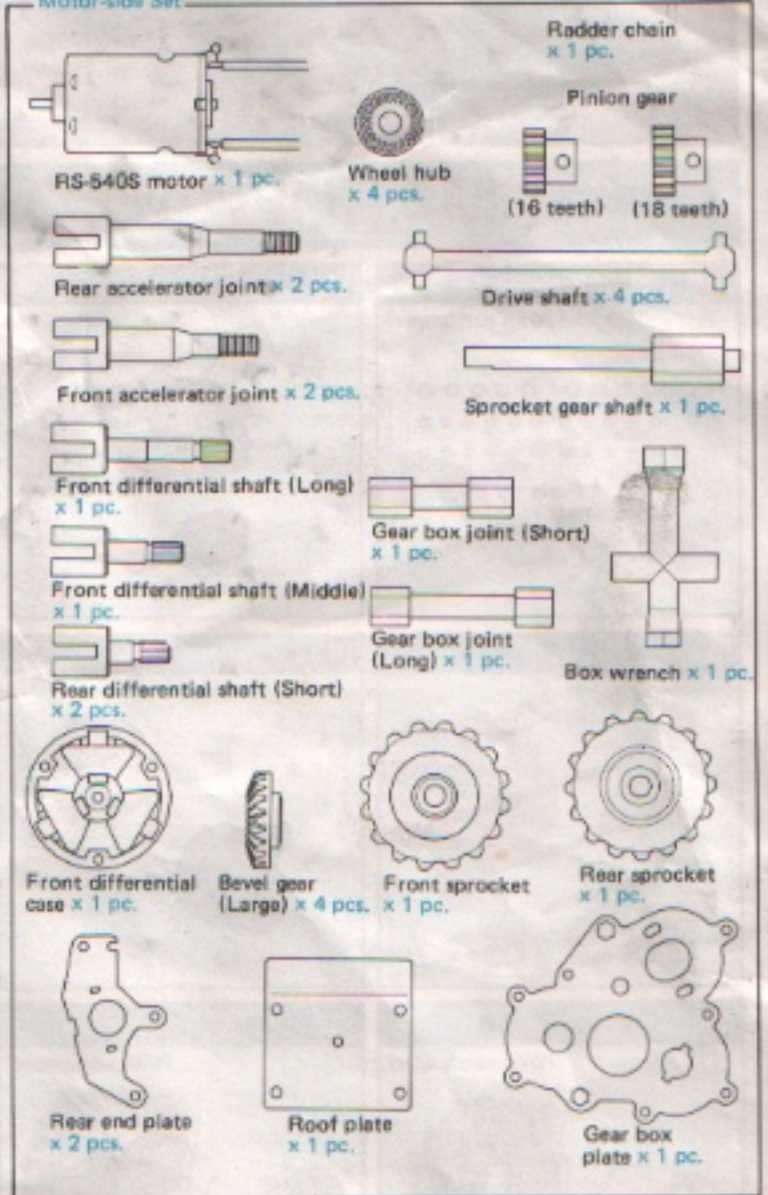
Nut Set



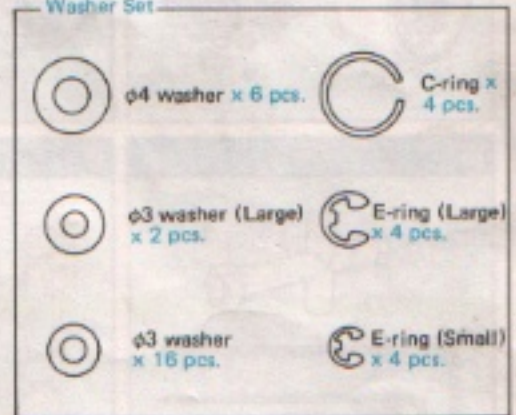
C Set



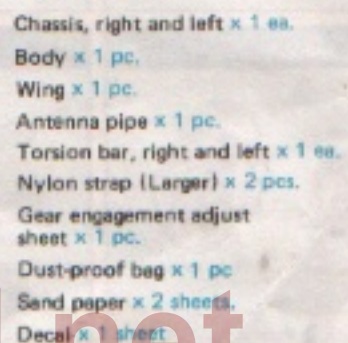
Motor-side Set



Washer Set



Other Parts



RC THE SAMURAI 4WD SPARE PARTS LIST



MARUI RADIO CONTROL CAR

114 Tensoc Metal set

(With sandpaper)

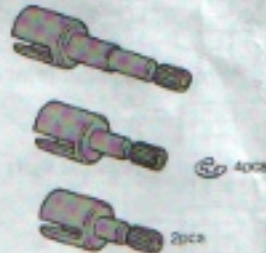


E Parts



4pcs

115 Diff. shaft set



4pcs

2pcs

116 Axle joint set



2pcs

2pcs

117 Bevel gear (large) set



4pcs



2pcs

110 Adjuster set



3pcs

6pcs

3pcs

119 Knuckle set

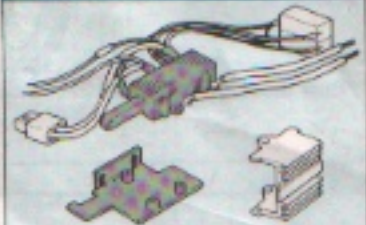


120 Wheel hub set



2pcs

121 Speed controller set (B)

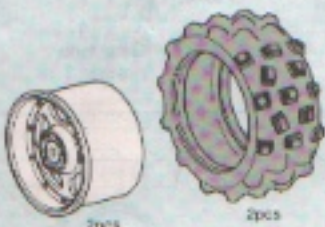


2pcs

3pcs

122 Front tires set (D)

(With sandpaper)

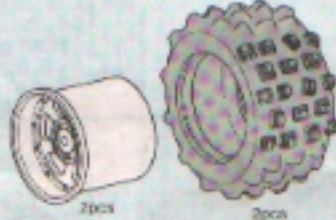


2pcs

2pcs

123 Rear tires set (D)

(With sandpaper)

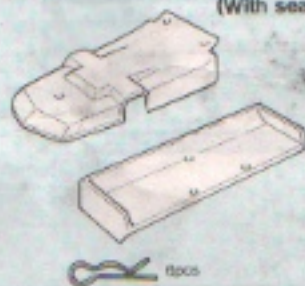


2pcs

2pcs

124 Body (SAMURAI) set

(With seal)

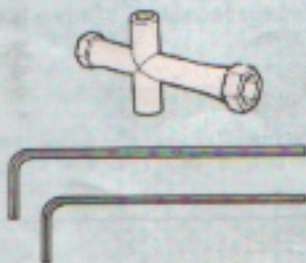


6pcs

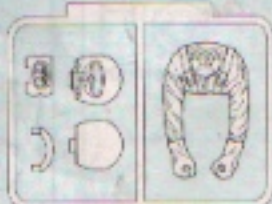
125 Rudder chain



126 Tool set



127 Figure set



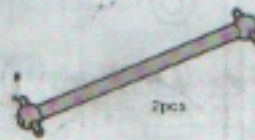
A Parts

2pcs

2pcs

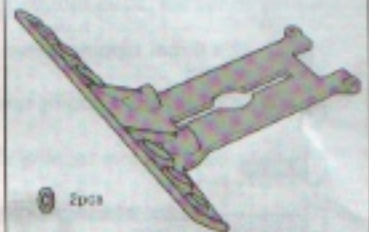
2pcs

128 Driving shaft



2pcs

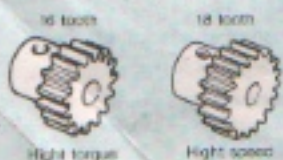
129 Bumper set



2pcs

2pcs

130 Pinion gear set (C)



1d tooth

1d tooth

High torque

High speed

2pcs

131 Rear axle set (D)

