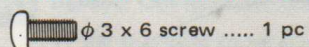

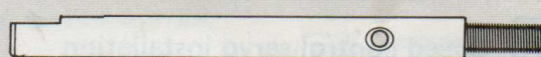


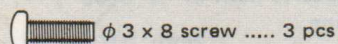
$\phi 2 \times 9$  hub shaft  
..... 2 pcs



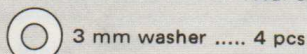
  $\phi 2 \times 15$  screw ..... 8 pcs



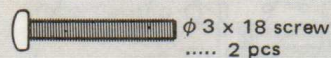
Rear shaft ..... 2 pcs




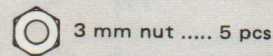
  $\phi 2 \times 11$  tapping screw  
..... 8 pcs



3 mm washer ..... 4 pcs



  $\phi 4 \times 12$  tapping screw  
..... 1 pc



3 mm nut ..... 5 pcs

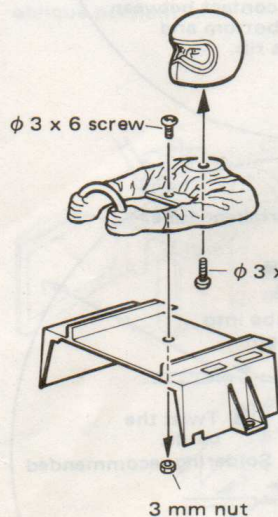


Partically nylon  
4 mm lock nut ..... 2 pcs

φ 3 x 8 screws

3 mm washer

\* Install the chassis cover at the last.  
Remove the cover when replacing the receiver battery.



Chassis cover (Front)

φ 4 x 12 tapping screw

3 mm nut

### Chassis cover (Rear)

—  $\phi 3 \times 18$  screw

- Take out the antenna on the rear right.

3 mm nut

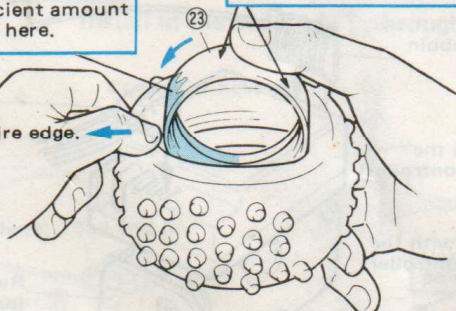
3 mm nut

### «Rear tires»

\* Apply a sufficient amount of soap water here.

Do not apply soap water here.  
(Wheel will be slippery if applied.)

Expand the tire edge.



- The tire is tight when inserting rim 23 since abrasion resistance, high tensile strength rubber is used.

If wheel 23 is temporarily inserted in the tire, complete the job by rotating it toward the arrow.

Partially nylon 4 mm locknut  
(Tighten with the wrench included  
in the kit.)

Match projections to these large holes.

Match projections to large holes.

### Projection

### Projection

1— $\phi 2 \times 9$  hub shaft

Rear shaft:

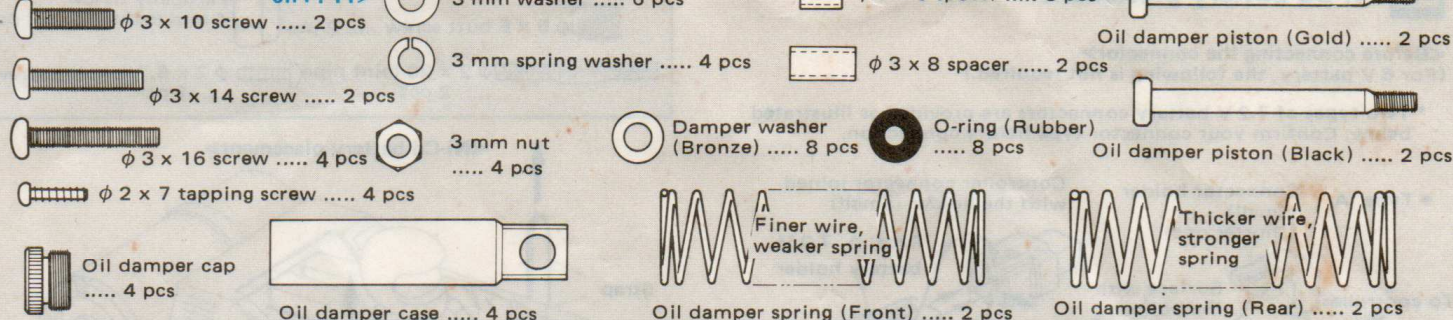
### «Front tires»

②7  
φ 2 x 11 tapping screw (8 pcs)

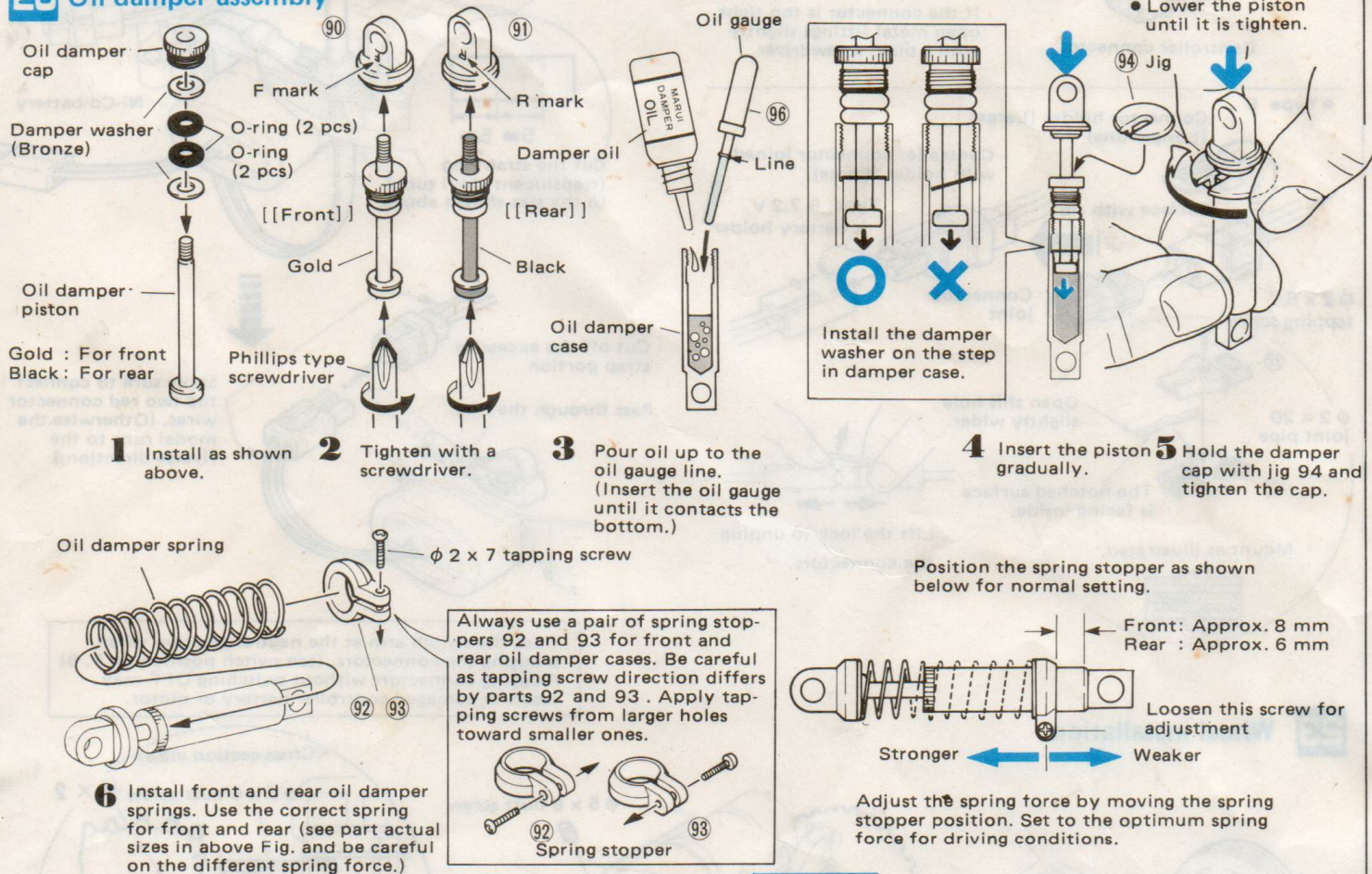
Ø 2 x 15 screw (8 pcs)



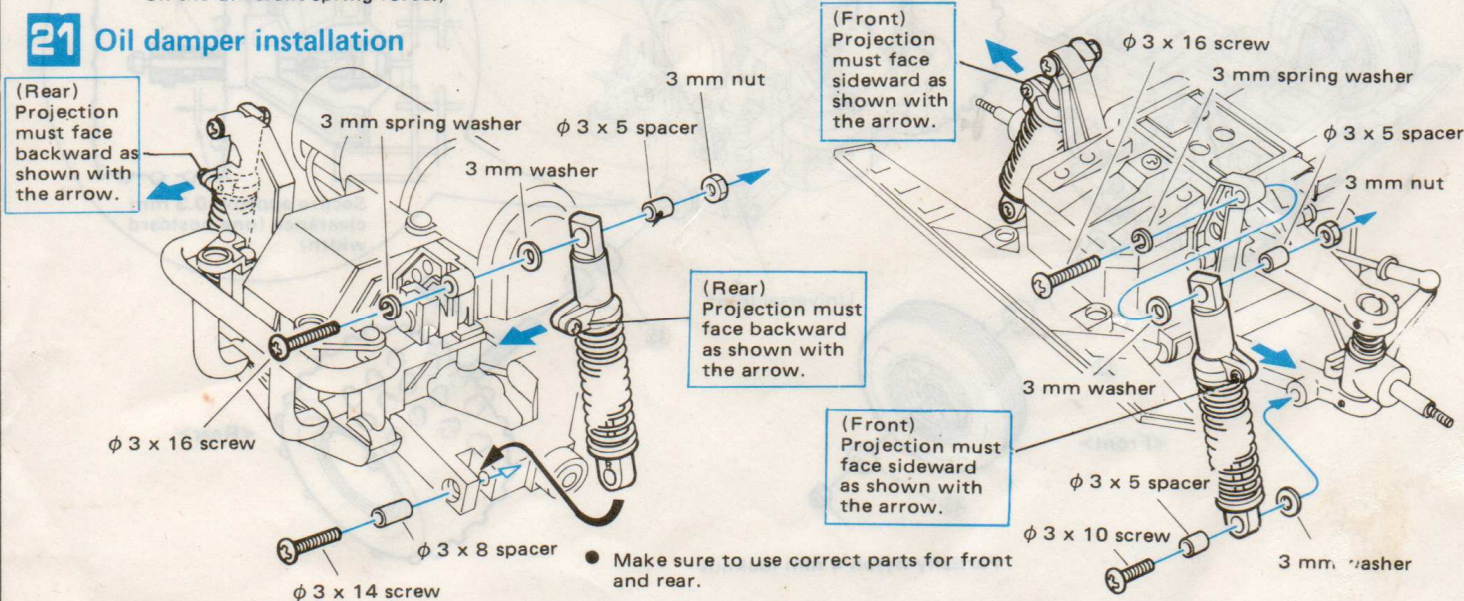
◀Metallic part actual sizes used on P. 11▶



## 20 Oil damper assembly



## 21 Oil damper installation



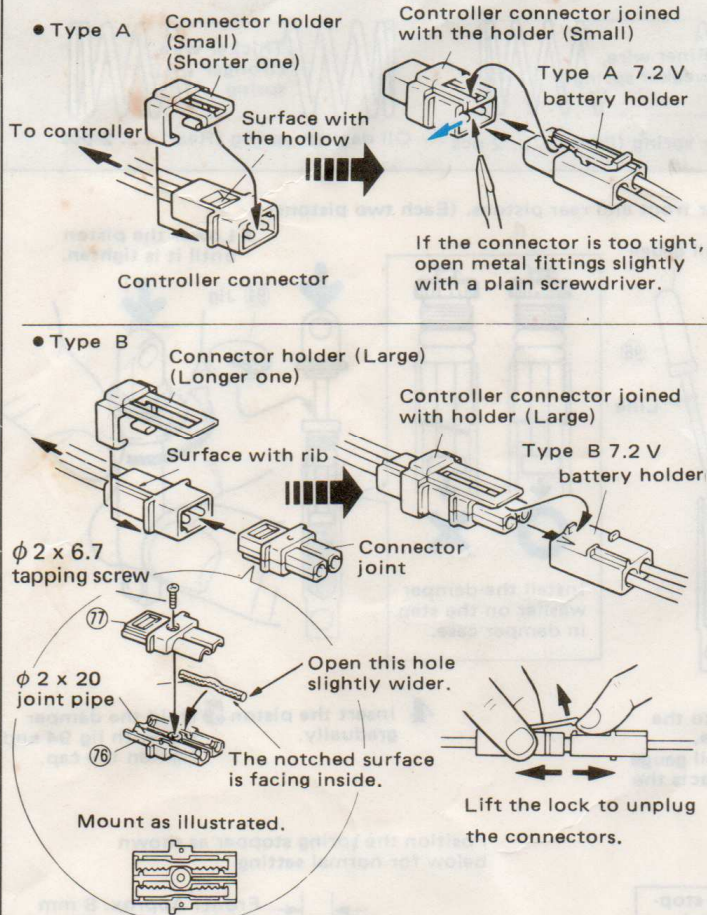


## 22 Ni-Cd battery placement

### «Before connecting the connector»

(For 6 V battery, the following is not required.)

\* Two types of 7.2 V battery connectors are provided as illustrated below. Confirm your connector type before connection.



«Metallic part actual sizes used on P. 12»

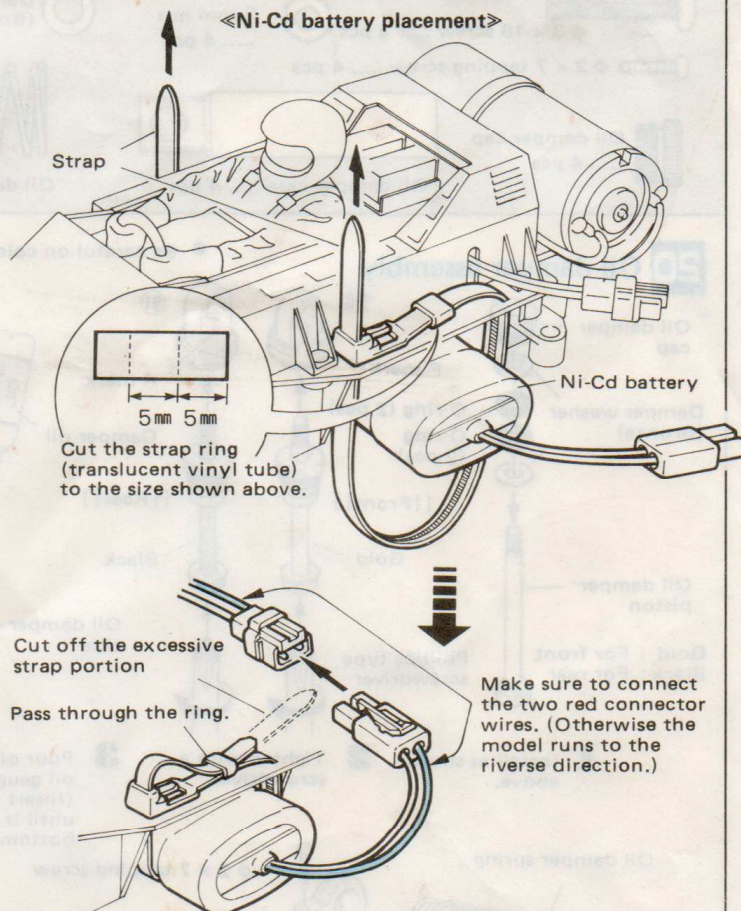
$\phi 5 \times 6$  butt screw ..... 2 pcs

Partially nylon 4 mm locknut ..... 2 pcs

$\phi 2 \times 20$  joint pipe ..... 2 pcs

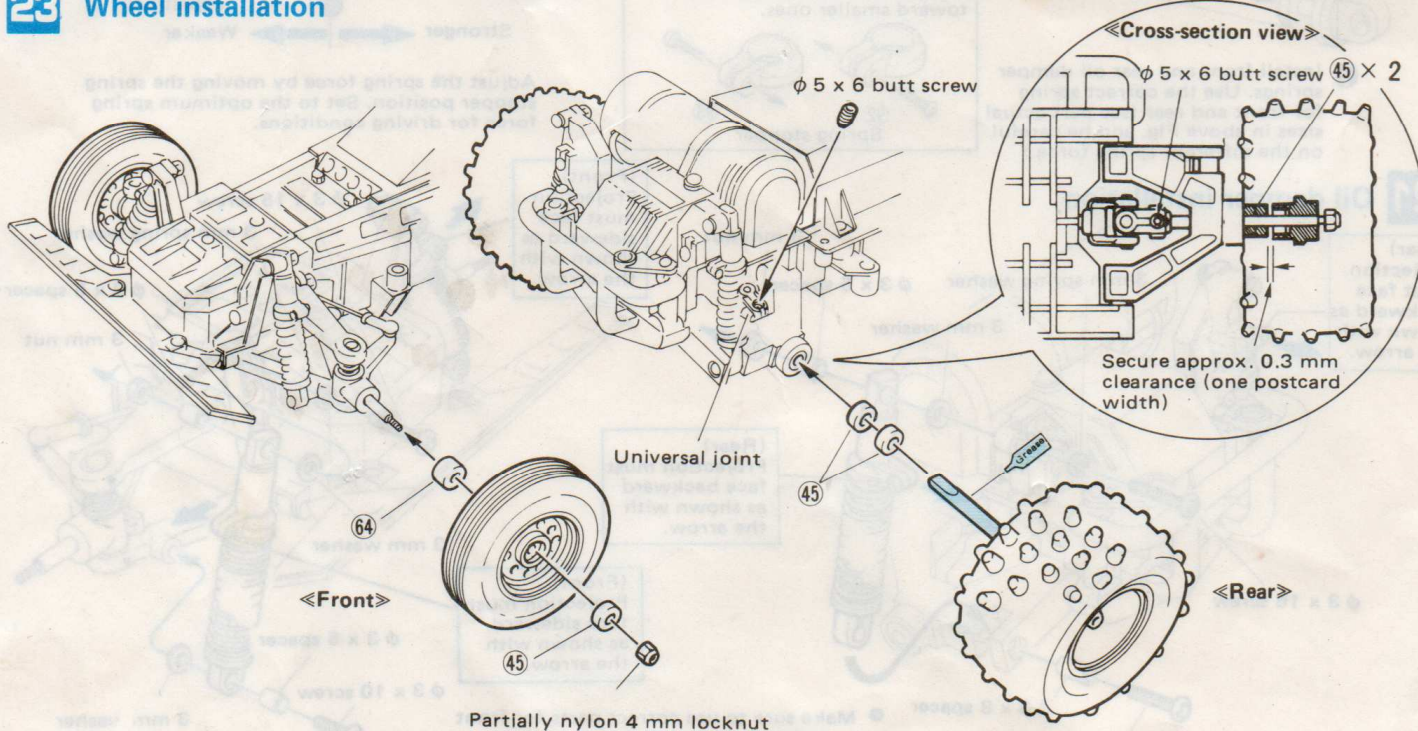
$\phi 2 \times 6.7$  tapping screw ..... 1 pc

### «Ni-Cd battery placement»



\* Set the switch arm at the neutral position when plugging the connectors. (see switch position on P. 8) Plugging connectors without switching OFF may result in damaged controller battery or motor.


## 23 Wheel installation






## 24 Wing and player's number plate installation

«Metallic part actual sizes used on P. 13»

  $\phi 3 \times 10$  tapping screw  
..... 10 pcs

 3 mm washer ..... 2 pcs

«Wing»

Drill a  $\phi 3.2$  hole with a gimlet or drill.

Remove the grey area with a cutter or scissors.

«Wing cross-section view»

Paint for polycarbonate

- Clean dirt and oil with soapy water before painting.
- Coat the body interior with paint for polycarbonate or laquer for metal.

(A)ways paint from the reverse side.)

## 25 Pipe frame (roll bar) installation

«Mounting the antenna pipe»

$\phi 3 \times 10$  tapping screw

3 mm washer

Tie this portion so that wire does not fall.

About 5 cm long

Antenna pipe

Bond decals (see the picture on package as an example.)

Press antenna pipe into this chassis hole after passing the wire through the pipe.

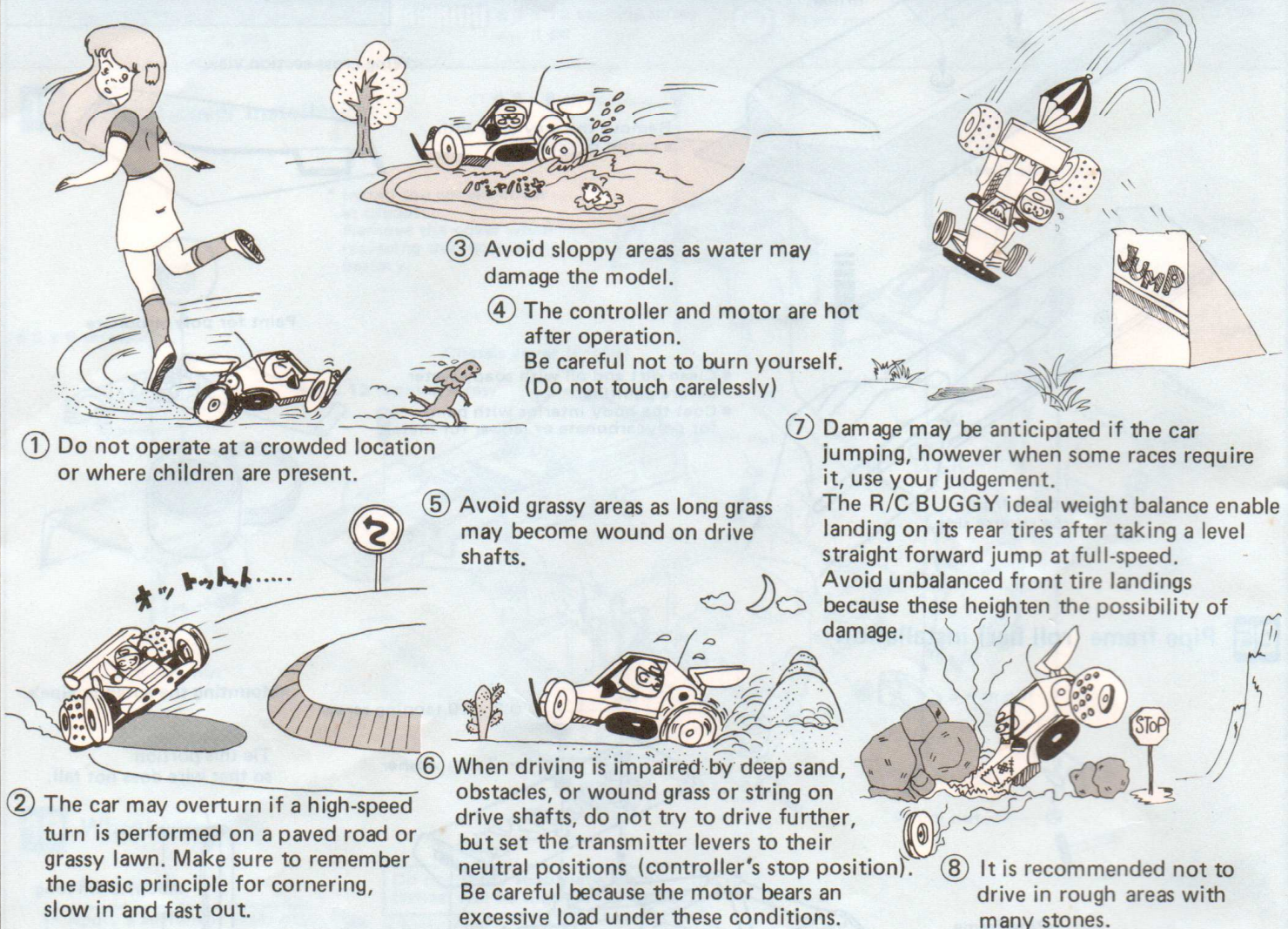
$\phi 3 \times 10$  tapping screw  
(all screws securing pipe frames are the same.)

Pass the wire through the bottom. The wire is stretched so that it will not be tangle with the tire.



## Handling precaution

The R/C BUGGY is designed as a high-speed off-road racing car. Be careful while handling and operating this model.



- ① Do not operate at a crowded location or where children are present.
- ② The car may overturn if a high-speed turn is performed on a paved road or grassy lawn. Make sure to remember the basic principle for cornering, slow in and fast out.
- ③ Avoid sloppy areas as water may damage the model.
- ④ The controller and motor are hot after operation. Be careful not to burn yourself. (Do not touch carelessly)
- ⑤ Avoid grassy areas as long grass may become wound on drive shafts.
- ⑥ When driving is impaired by deep sand, obstacles, or wound grass or string on drive shafts, do not try to drive further, but set the transmitter levers to their neutral positions (controller's stop position). Be careful because the motor bears an excessive load under these conditions.
- ⑦ Damage may be anticipated if the car jumping, however when some races require it, use your judgement. The R/C BUGGY ideal weight balance enable landing on its rear tires after taking a level straight forward jump at full-speed. Avoid unbalanced front tire landings because these heighten the possibility of damage.
- ⑧ It is recommended not to drive in rough areas with many stones.

### Checks before driving

- ① Check all screws and nuts for tightness. Pay special attention to screws and nuts securing the suspension, and butt screws attached to the universal joint.
- ② Check gears for correct engagement. Faulty pinion gear engagement due to loosened motor securing screws may cause idler gear damage. Check the pinion gear butt screw for correct tightness. (See Page 6.)
- ③ Are proportional controller batteries supplying sufficient power? Receiver battery life is shorter than that of the transmitter, and early battery replacement is recommended. (See Page 2.)
- ④ Does the controller operate correctly? Make sure that the controller is correctly adjusted. (See Page 8.)
- ⑤ Does the steering operate correctly? Perform a test run to see if the car runs straight. If not, turn the steering lever trim toward the reverse direction of the car's drift. If still not corrected, adjust the steering rod length as instructed in the assembly sheet. (See Fig. 14 of page 7.)
- ⑥ Are all wire connections tight? Faulty insulating vinyl or soldered areas may cause short circuit. Repair using vinyl insulating tape. (See Fig. 18 of Page 9.)
- ⑦ Are drive batteries sufficiently charged? (See Page 2.)
- ⑧ Irregular motor or gear sound. Rear wheels do not rotate smoothly. See Page 5, 6, and 12.
- ③ The car does not respond properly to control or runs at random during driving. See Page 2, 7, and 8.
- ④ Speed controller does not operate correctly including no full-speed drive. See Page 8.
- ⑤ Faulty straight driving, or turning to the right and left differs. See Fig. 14 to of Page 7.
- ⑥ Controller, drive batteries, or wires are over-heated. See Page 8.
- ⑦ For faulty proportional controller operation including improper servo movement, check the following points: Sufficient power supply by batteries, correct (+) and (-) battery connections, an discontinuous servo or connector wires.
- ⑧ If the faulty operation is still not correct after the above, contact your dealer for repair.

### Troubleshooting

- Following troubles may be corrected through performance of above described checks before operation.

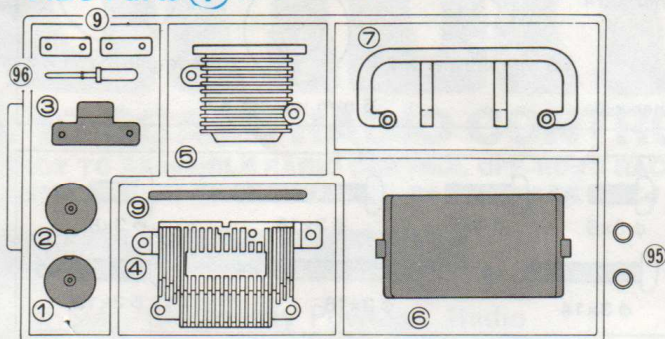
- ① The car does not move forward although the motor is operating. See Page 5, 6, 8, and 12.



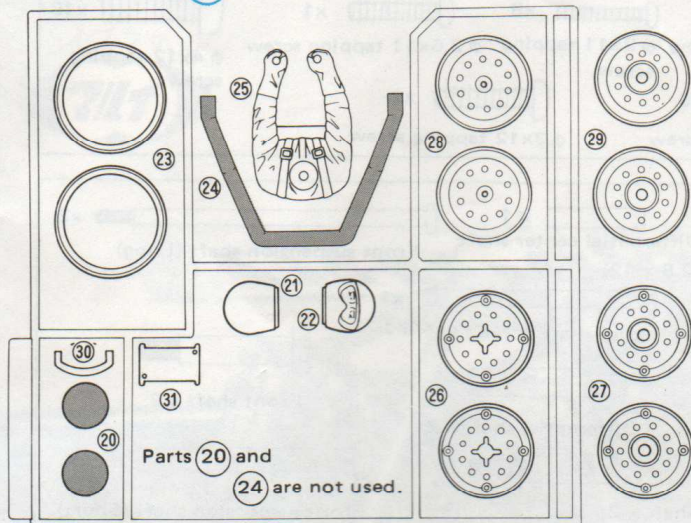
# PART LIST

## ABS Parts ① x 1

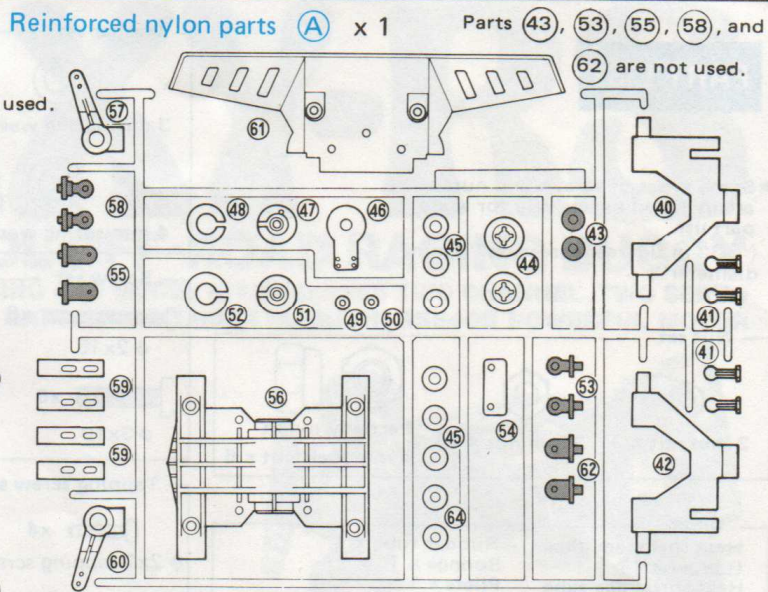
Parts ①, ②, ③, ⑥, and ⑨ are not used.



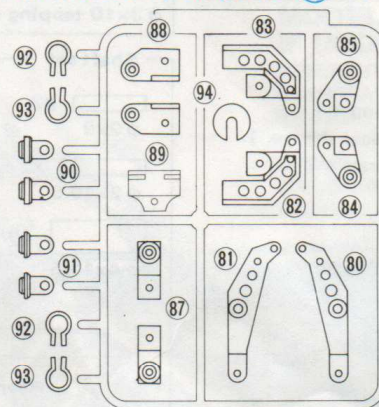
## ABS Parts ② x 1



Parts ②① and ②④ are not used.



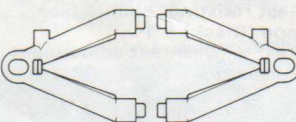
## Reinforced nylon parts ③ x 1



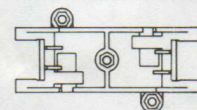
## Front suspension set

Upper arm x 2

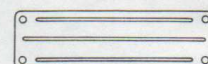
Lower arm (Left 1, Right 1)



Front suspension mount



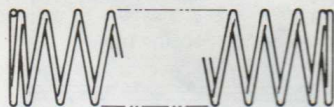
Under guard x 1



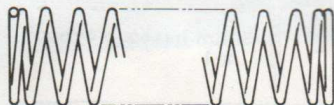
King pin (Nylon) x 2

## Damper set

Oil damper sprint (Front) x 2



Oil damper spring (Rear) x 2

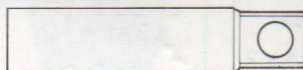


Oil damper cap x 4

Damper oil x 1



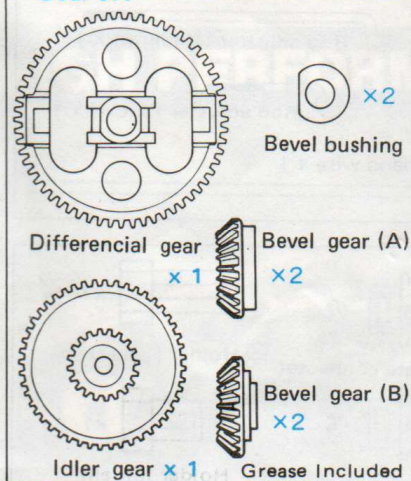
Damper case x 4



When a spare part set is required, the following parts are included:

- ★ Oil damper piston (Front x 2, Rear x 2)
- ★ Damper washer x 8
- ★ O-ring x 8

## Gear set



Bevel bushing x 2

Differential gear x 1



Bevel gear (A) x 2



Bevel gear (B) x 2



Idler gear x 1

Grease Included

## Pinion gear set



18-tooth high torque pinion

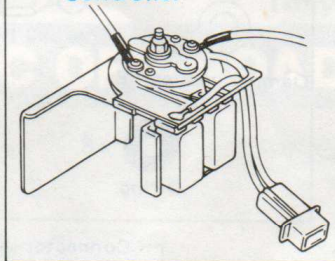


20-tooth standard pinion



22-tooth high-speed pinion

## Controller



Front tire x 2



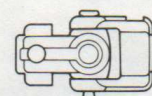
Rear tire x 2

## Motor mount x 1



With sponge cushion

Universal joint x 2



MABUCHI RS-540 Motor x 1

