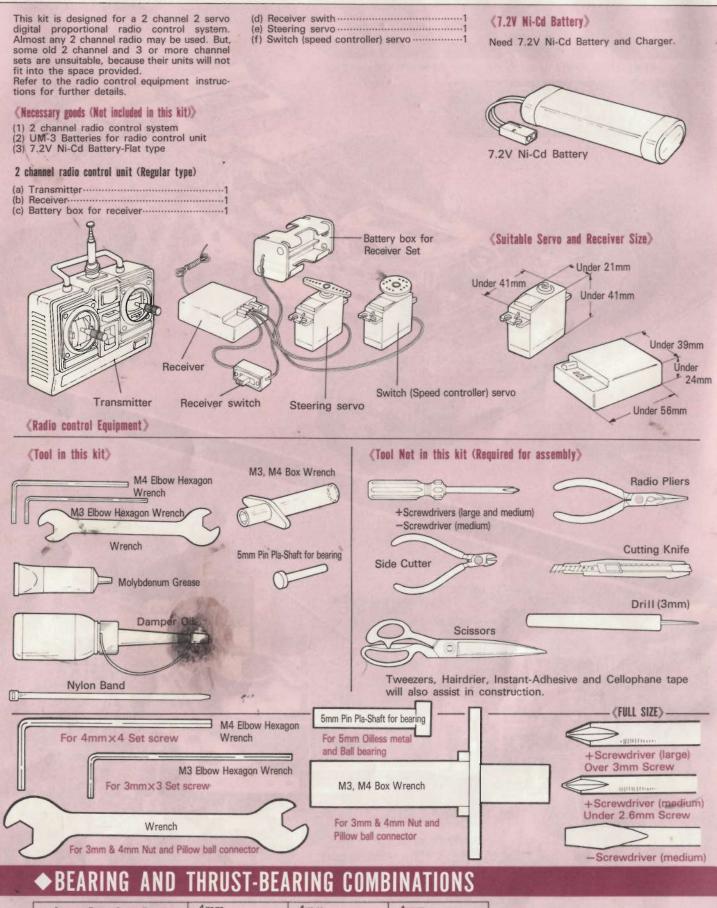


# Read the following instructions carefully before assembly.



4mm Bearing Part	4mm	4mm	4mm
	Ball bearing	Oilless metal	Molybdenum pla-metal
5mm Bearing Part	5mm	5mm	5mm
	Ball bearing	Oilless metal	Molybdenum pla-metal
4mm Thrust Part	4mm Thrust ball bearing		4mm Thrust molybdenum pla-metal
5mm Thrust Part	5mm Thrust ball bearing		5mm Thrust molybdenum pla-metal

There are 3 bearing types, a good moly-bdenum pla-metal with flange, the better oilless metal with flange and the best ball bearing with flange.

A ball bearing is the highest grade double sided flange type.

The thrust 2 types: a good molybdenum

thrust and the highest grade thrust ball bearing. Can be used.

# Read the following instructions carefully before assemblage.

# **SCREWDRIVERS**

Be sure to use the proper size screwdriver for each size screw. (See page 2)

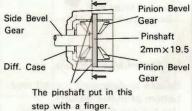
Apply molybdenum grease to the parts as shown by this mark. This is important to prevent excessive wear.

# **SELF TAPPING SCREWS**

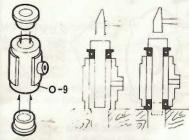
Be careful when using the self tapping screws.

Do not overtighten as the screw head can break.

# (Position of Pinshaft)



### (★5mm Ball Bearings)



Use the 5mm Pin Pla-Shaft in this kit when 5mm Ball Bearings put in 0-9 both ends. (Refer to an upper figure.)

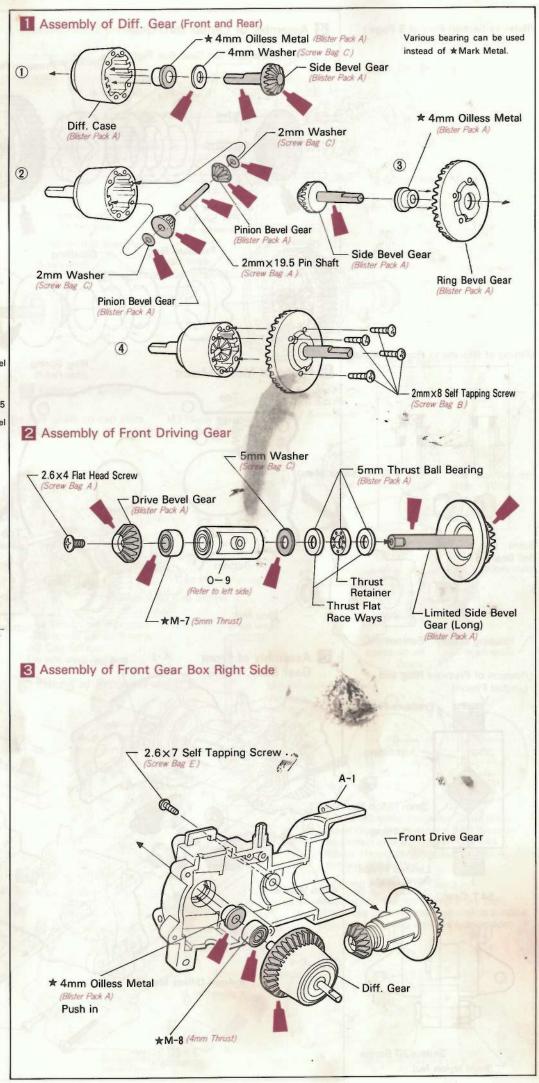
It is important to use this tool to insure proper bearing alignment.

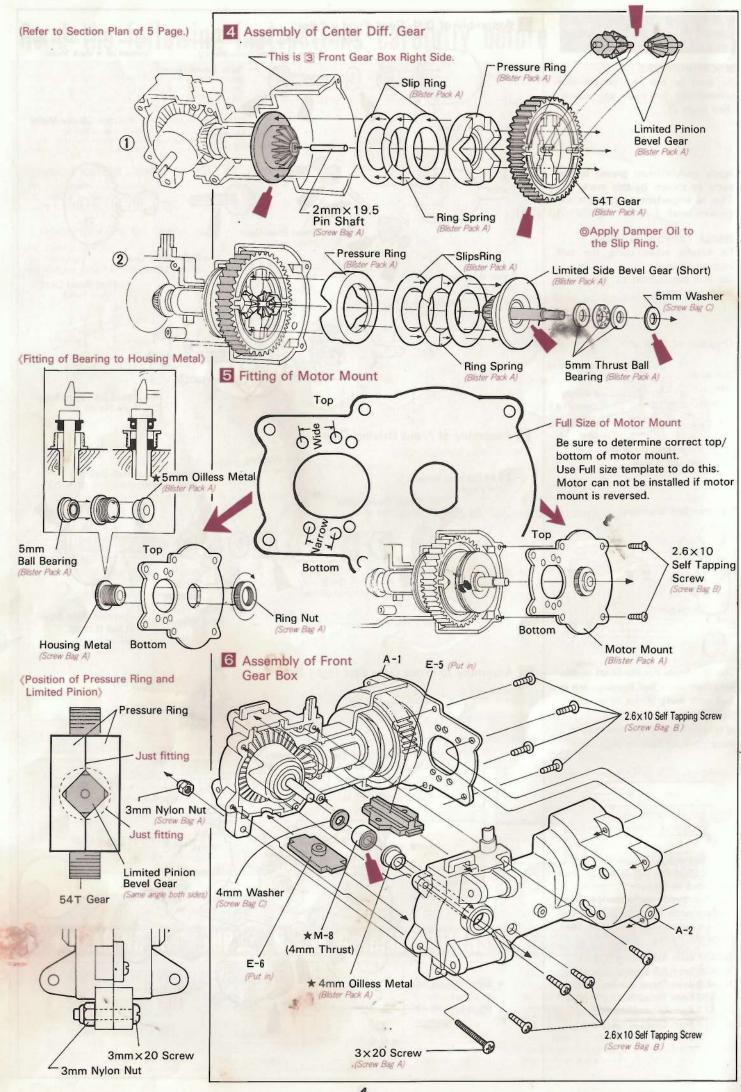
# (Ball Bearing & Thrust Bearing)

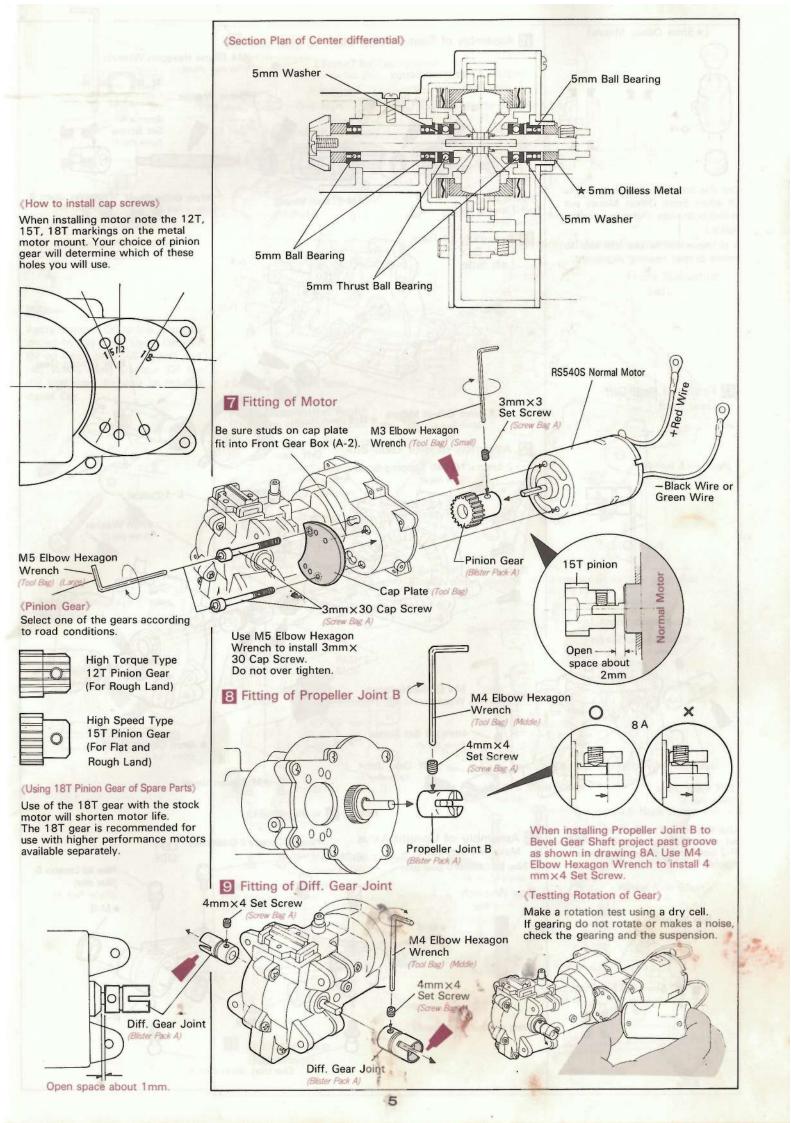
★ACCESSORY BEARINGS (Not inculuded in kit.)

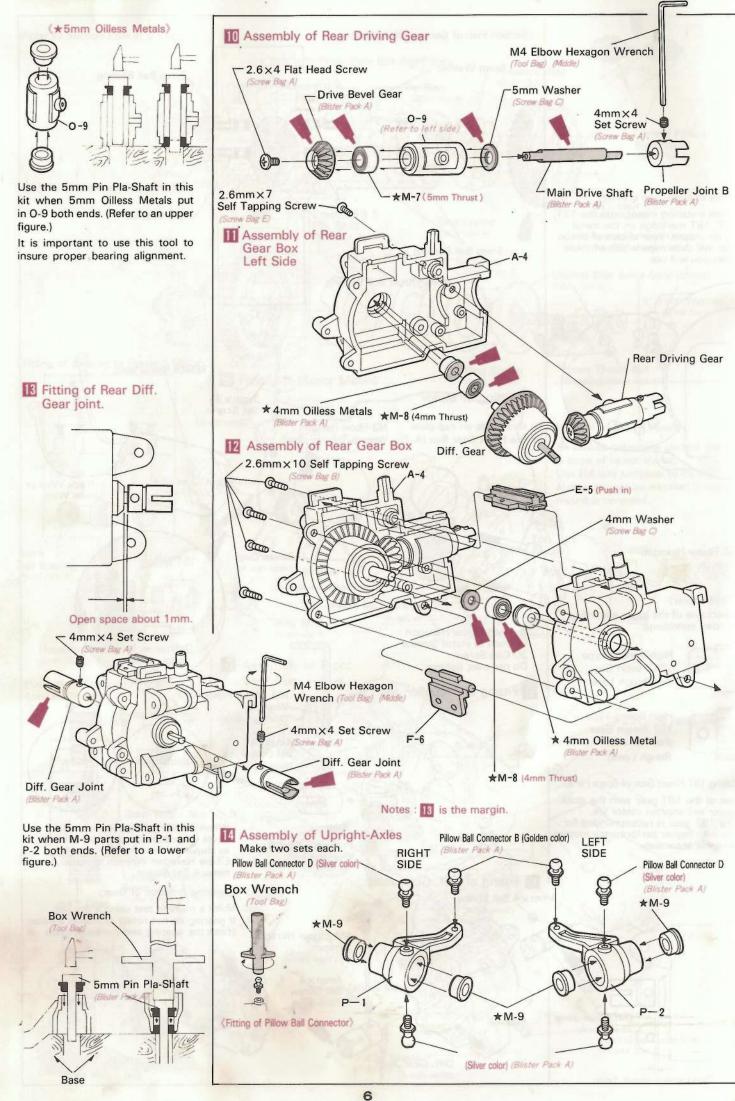
For inproved performance, high performance bearings (see below) can be substituted for stock bearings (M Parts).

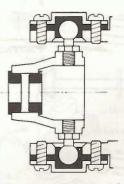
No.A07 4mm Ball Bearing (2 pcs.) No.A08 5mm Ball Bearing (2 pcs.) No.A09 4mm Thrust Bearing (2 pcs.) No.A10 5mm Thrust Bearing (2 pcs.) No.A11 4mm Oilless Metal (8 pcs.) No.A12 5mm Oilless Metal (8 pcs.)









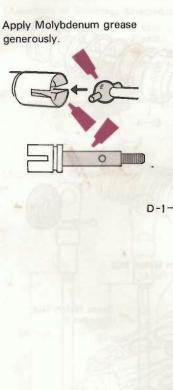


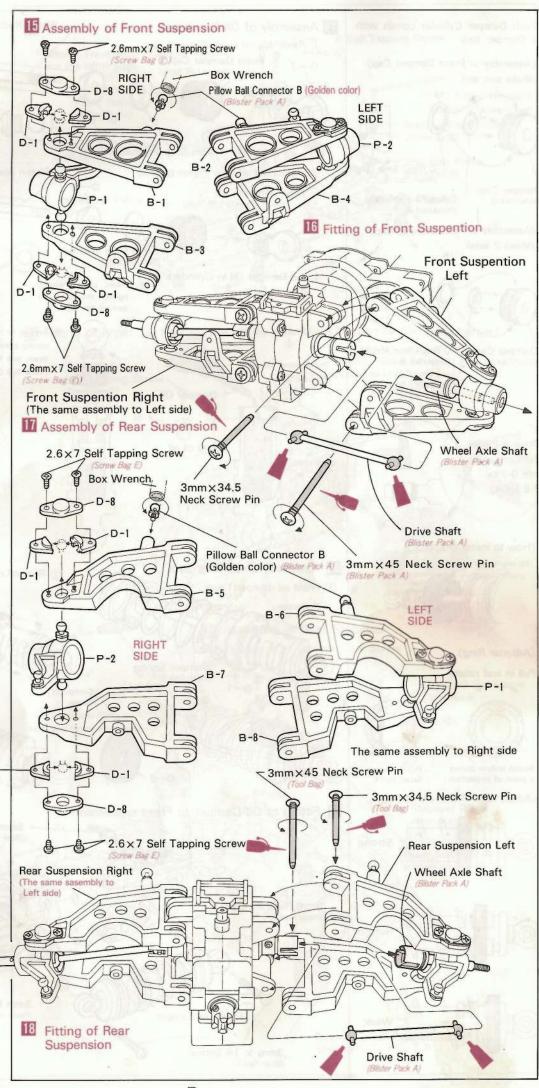
(Sectional Plan of axle)

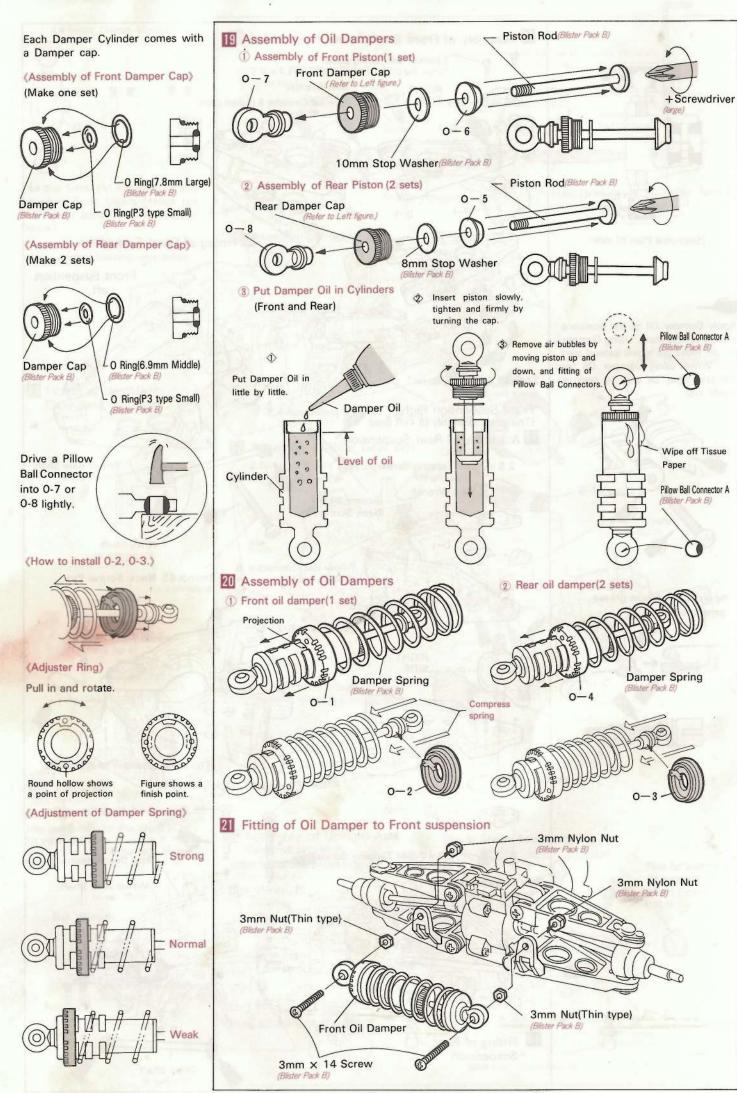
Apply Damper Oil to the positions shown by this mark. Using Damper Oil on these parts will extend part life. When using Damper Oil for the first time, be sure to remove inside cap.

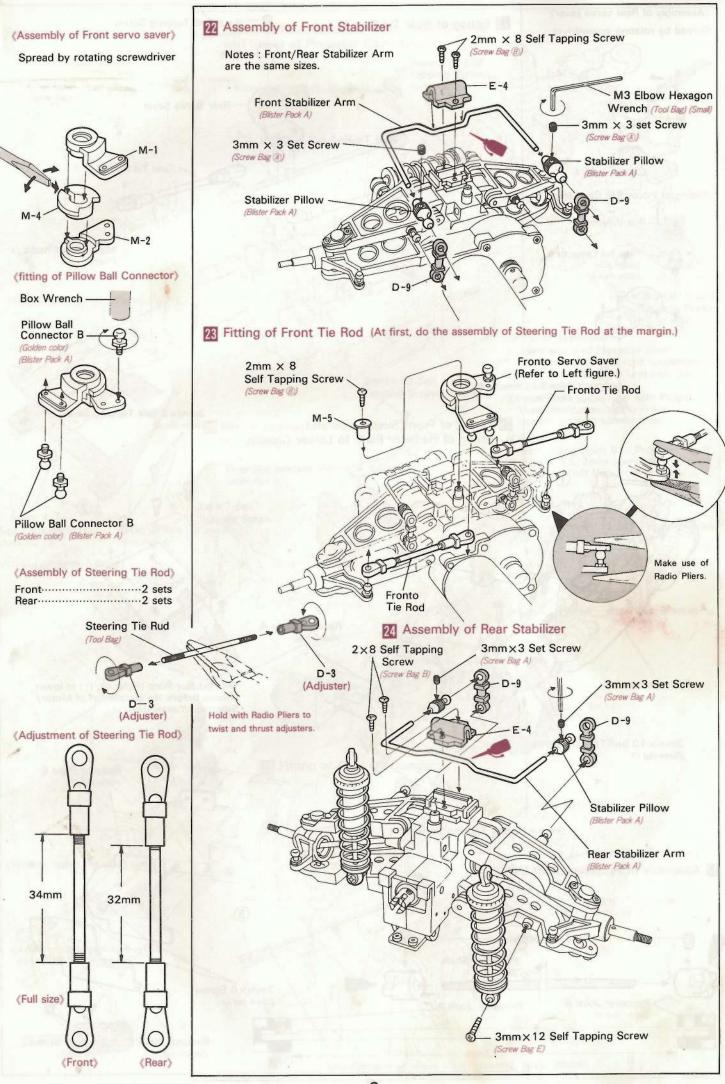


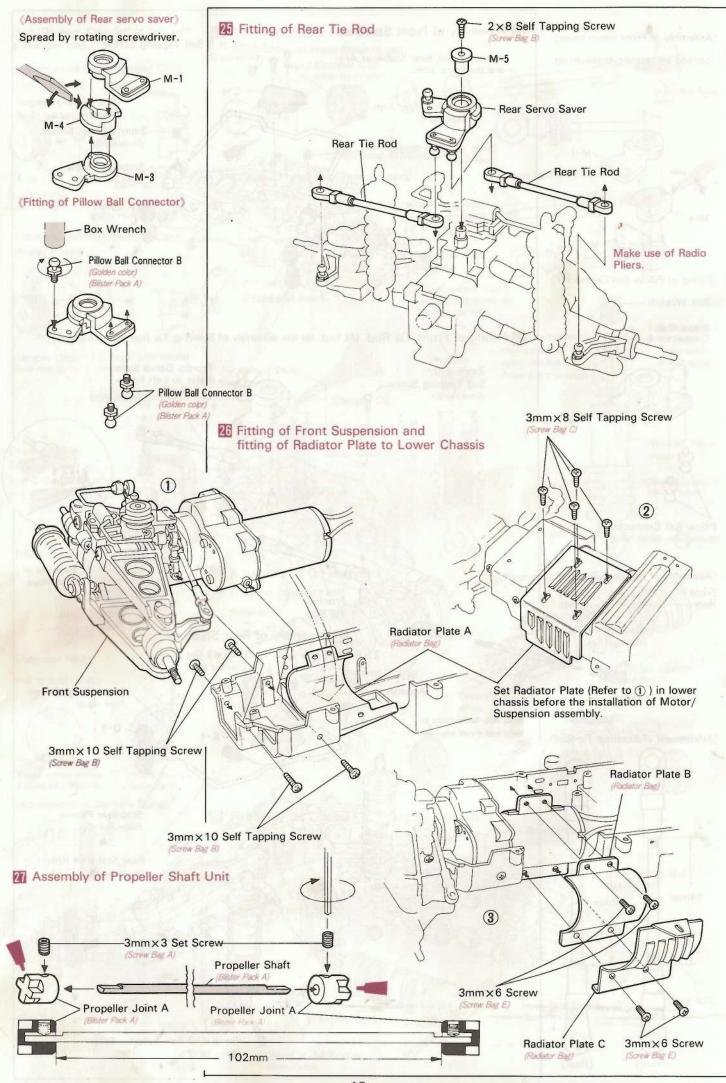
generously.

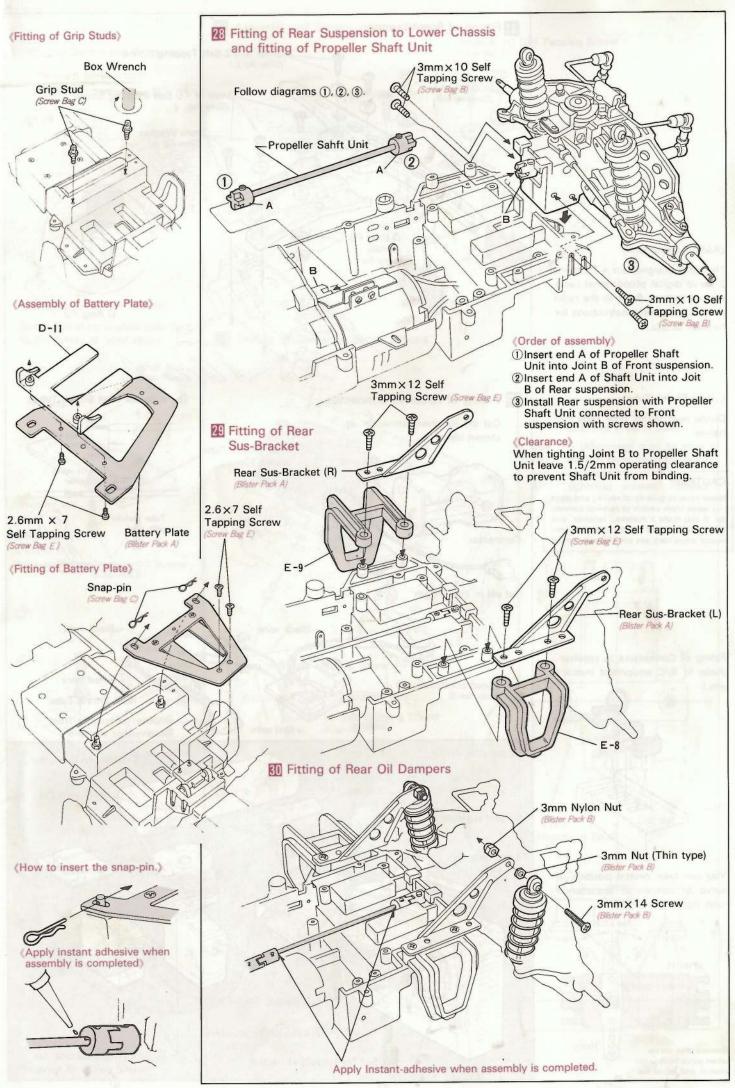












# (Radio Control Unit)

This kit is designed for a 2 channel 2 servo digital proportional radio control system. Refer to the radio control equipment instructions for further details.

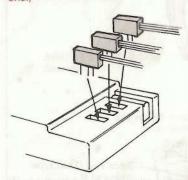
### ( Heat Shrink Tube)

Divide heat Shrink type Tube into halves.

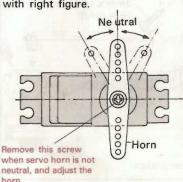
# CAUTION!!

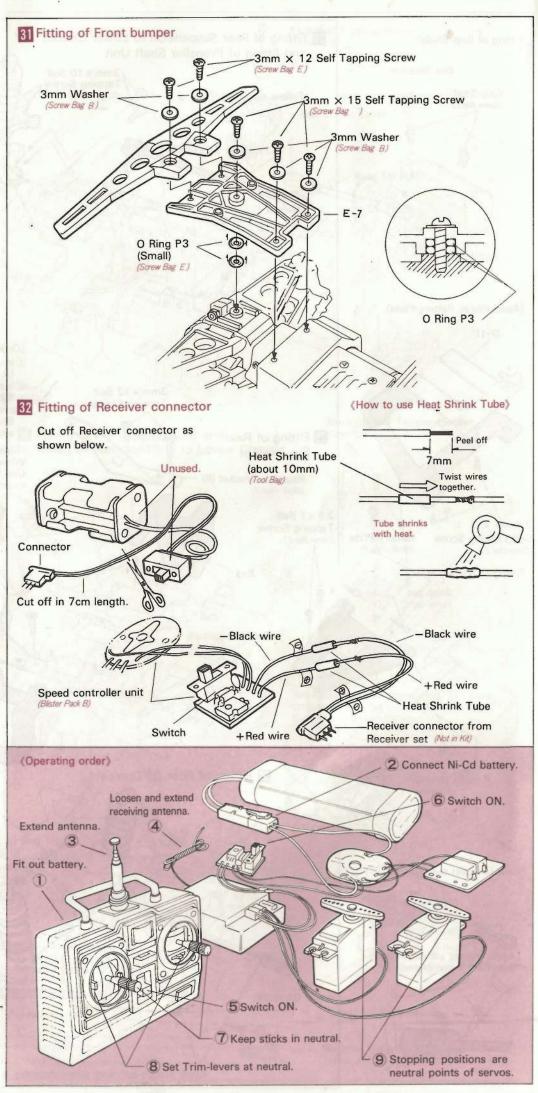
Never reverse polarity of red(+) and black (-) wires from switch to receiver connector. If you make a mistake, receiver and servo are damaged. If the colors of connector wires vary, see your RCunit manual.

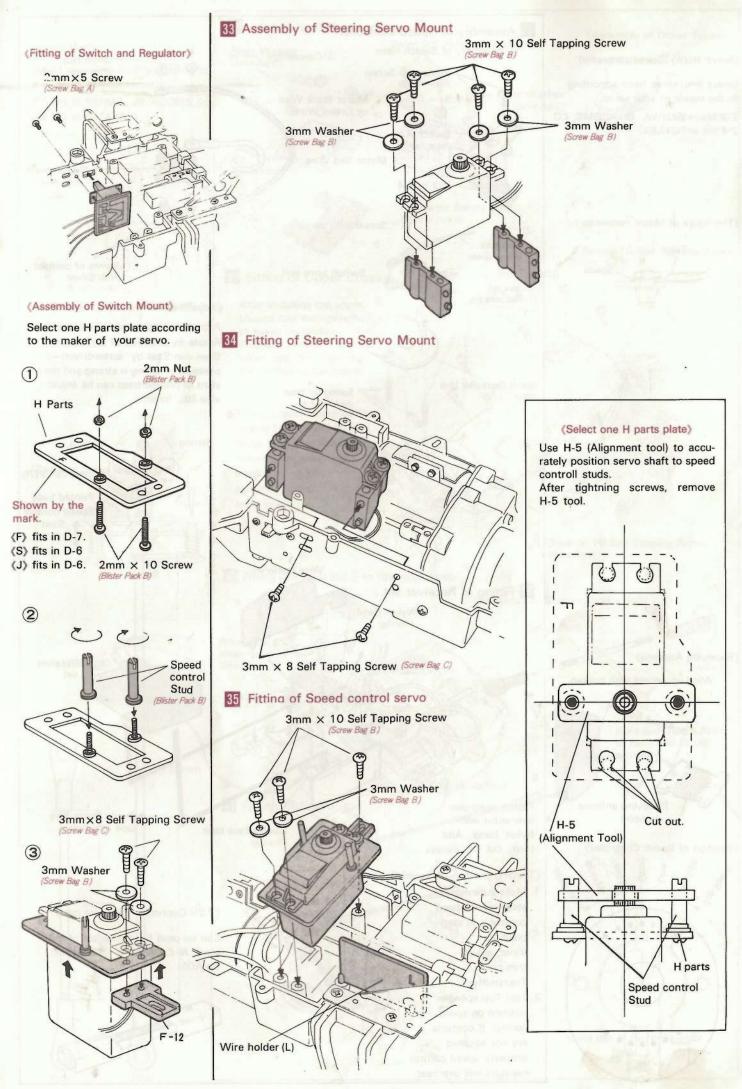
Fitting of Connectors to receiver. (Refer to R/C equipment instructions.)



You can take neutral position of servo to operate in accordance with right figure.





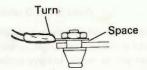


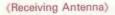
# (Servo Horn) (Speed controller)

Select one servo horn according to the maker of your servo.

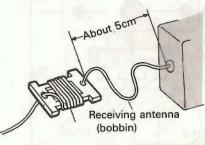
Z-3 fits in SANWA, JR, ACOMS, KO Z-4 fits in FUTABA.

## (The figure of Motor connector)

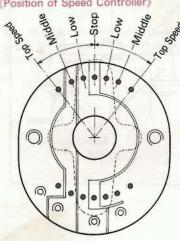


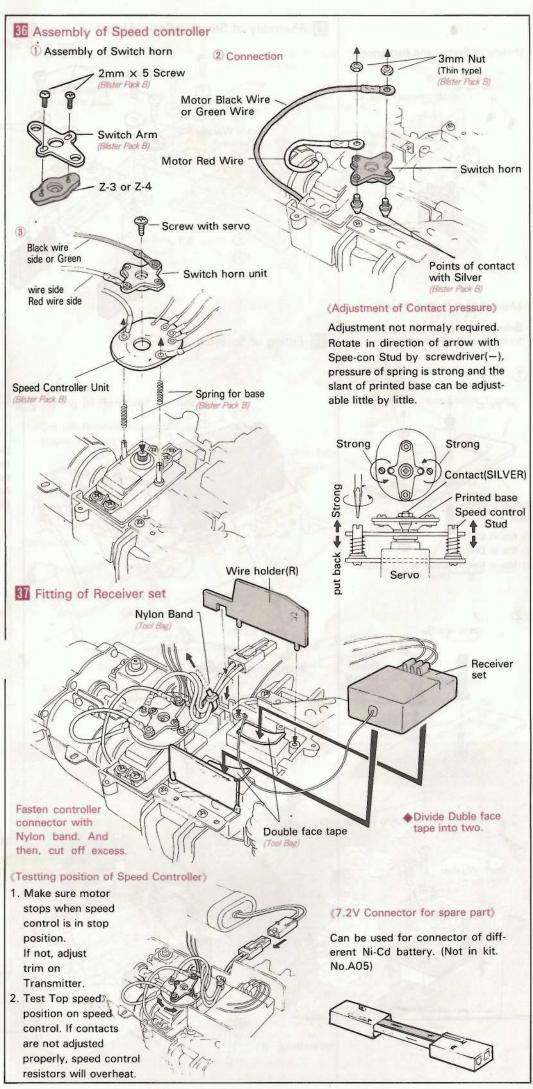


Wind up excess with bobbin.



# (Position of Speed Controller)



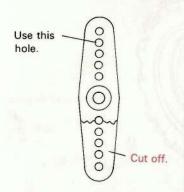




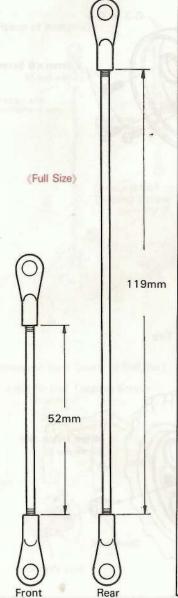
Select one servo horn according to the maker of your servo.

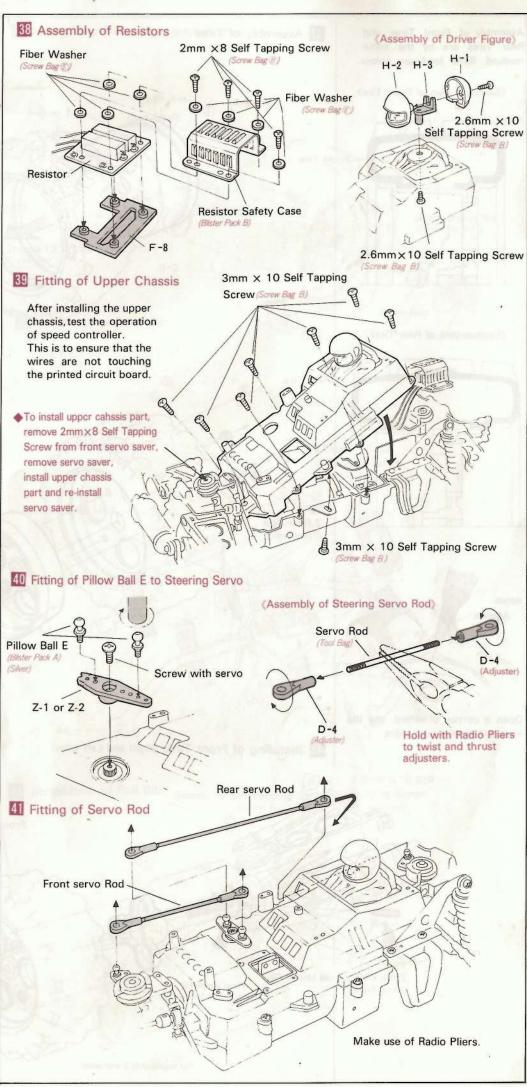
Z-1 fits in SANWA, JR, ACOMS, KO

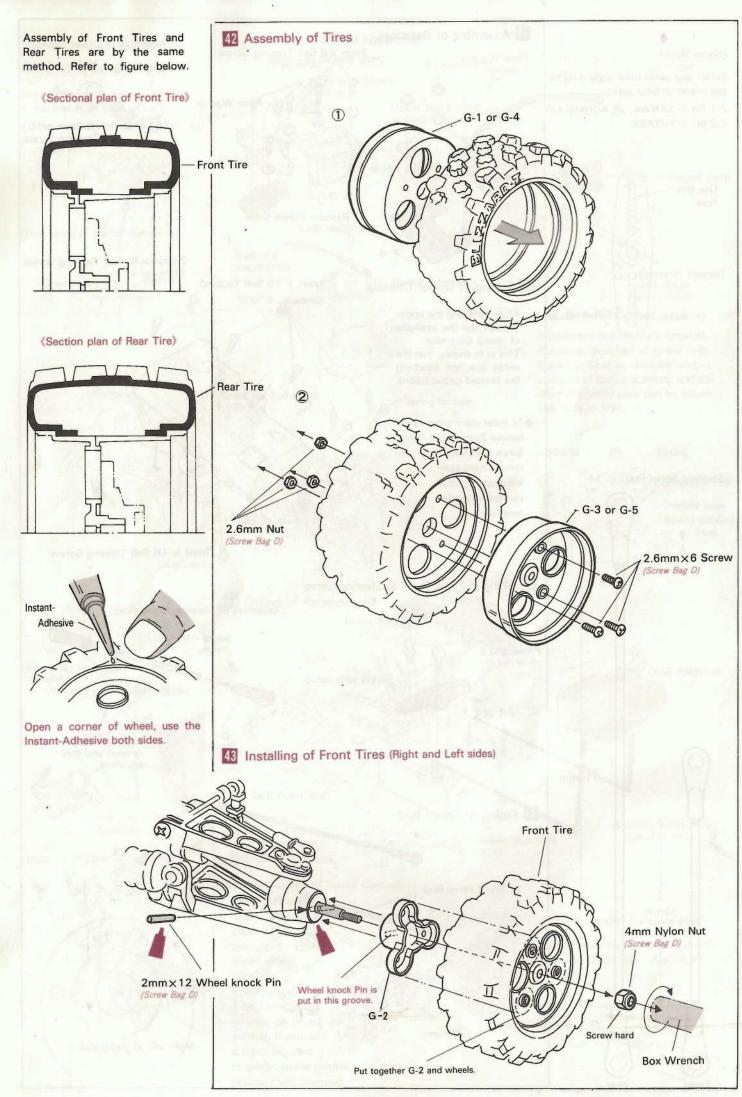
Z-2 fits in FUTABA.

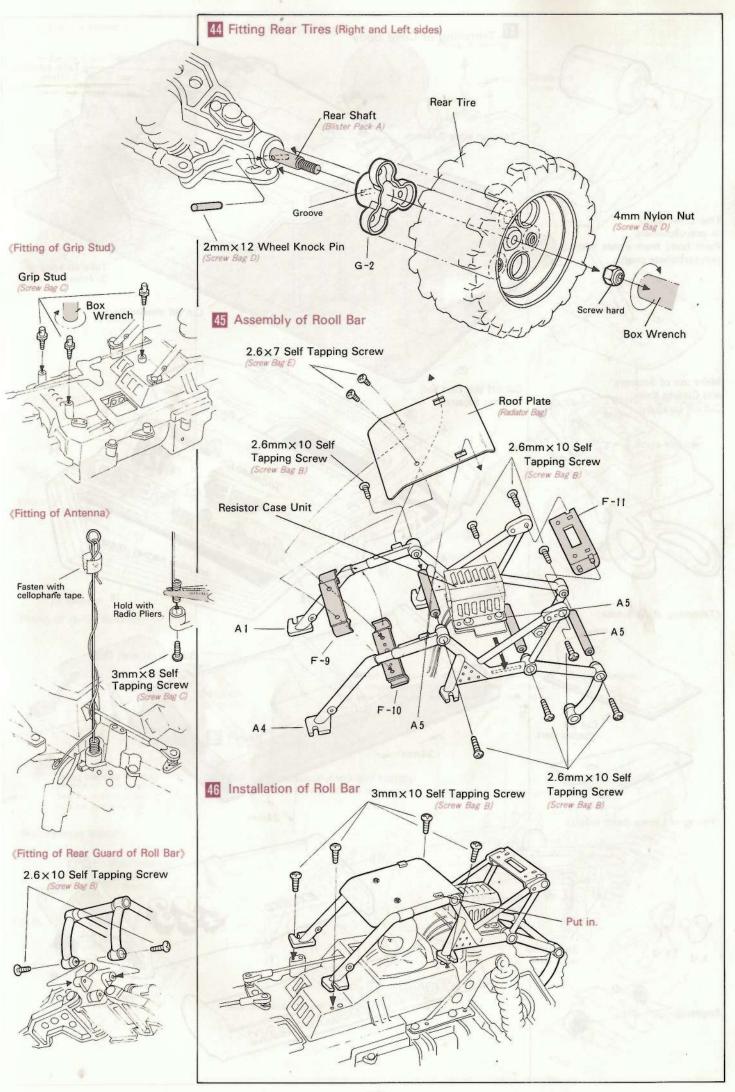


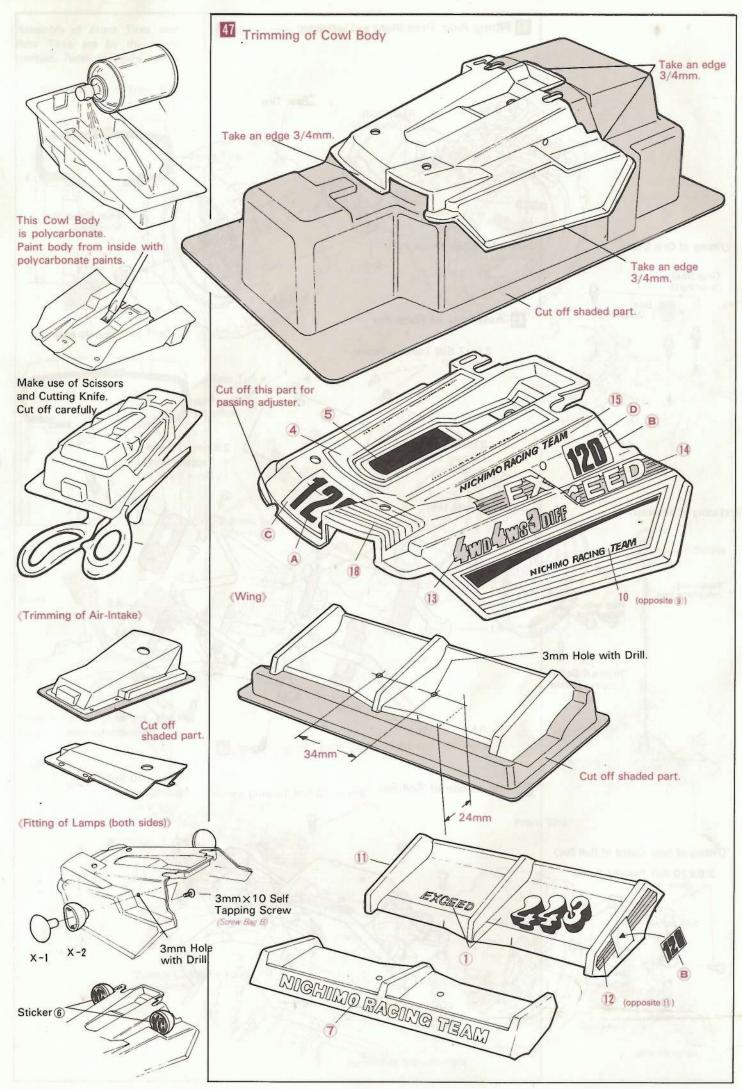


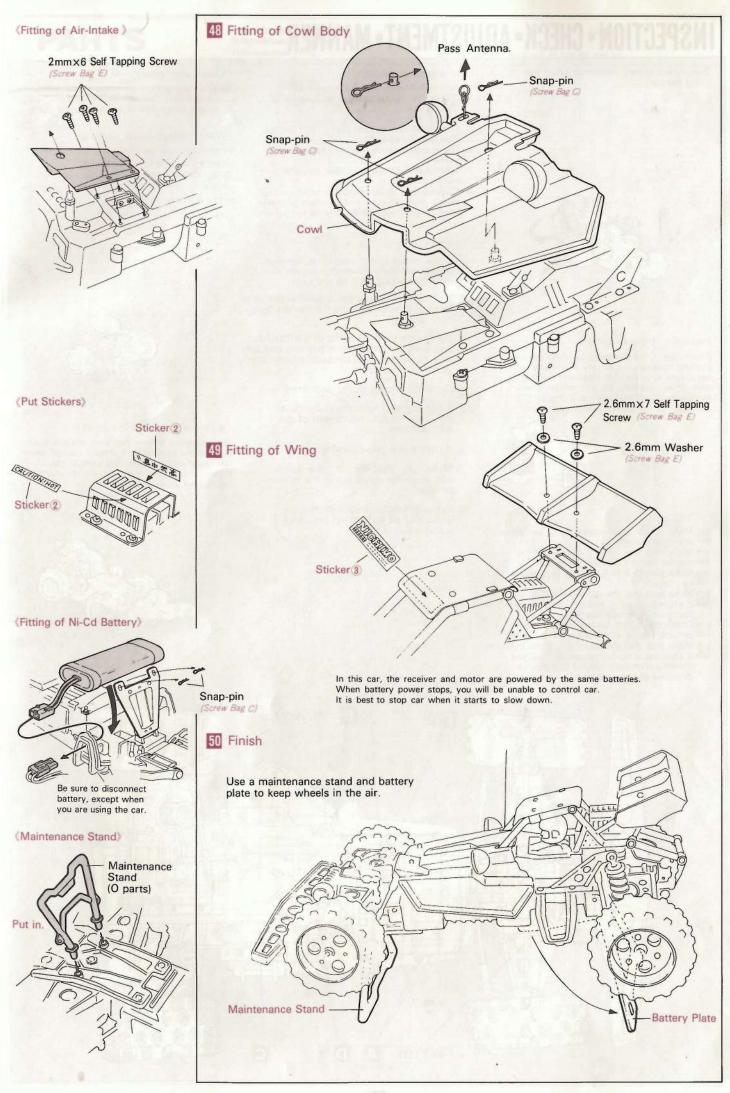












# INSPECTION • CHECK • ADJUSTMENT • MANNER

Disconnect battery connector when not using the car.



# Inspection before Operation

Please check the following carefully before starting operation. It is very important and necessary to prevent trouble and accidents. And, after assembly, let the car run slowly for the first two minutes while checking a condition of the steering and switch unit.



- Make sure that all screws, nuts, set screws are tight enough.

  B Make sure that Um-3 batteries for the transmitter are charged enough.

  Make sure that Ni-Cd battry is properly

- Make sure that the speed controller is changing speed. It can be switch on the top speed and take the stop position?
- Check the wiring for breaks and short circuits. Repair with vinyl tape.
- Make sure that the steering operate correctly. If your car does not run straight, adjust steering lever trim toward the reverse direction of the car's drift.

# (Starting preparation)

- Setting batteries in the transmitter.
- Check the neutral position with levers of transmitter.
- Extend antenna.
- The transmitter switch on.
- The receiver switch on.
- 6. Use a maintenance stand to keep wheels in the air.
- Setting Ni-Cd battery in your car, and connectting it.
- Check servo operation by moving control levers. If radio does not function properly, contact your radio manufacture for service

# (Troubleshooting)

- If the motor is not operating, remove wires, and then check the motor by directly leading wire to dry cells.
- Make sure that the servo horn is properly setting. It must move in the same phase right and left.
- 3 Make sure that the wires of Switch-horn and Switch-plate are not pushing mutually. And make sure that contact of controller is not burnt or dirty.
- (4) Clean up driving shafts and axles.
- (5) If not satisfied with the radio control unit, ask the R/C equipment of the manufacturer.
- 6 Antenna is a good condition?
- Make sure that the diff, gear joints and propeller joints are in the proper
- 8 Apply grease on bearings, thrusts, gears and oil up moving points of suspension, etc.

# (Check after operation)

- 1) The maintenance after use is important
- to take care through and through.

  2) Check to remove all batteries once more.

# (When battery power drops off)

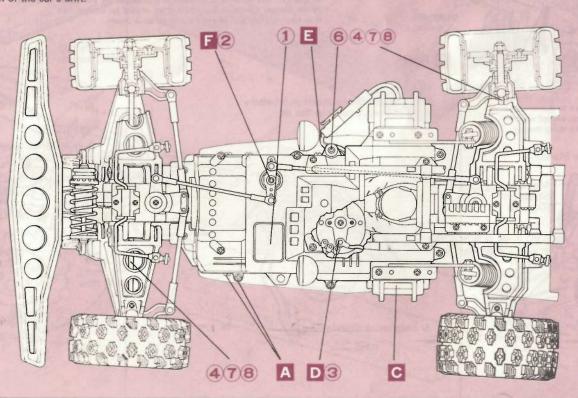
In this car, the receiver and motor are powered by the same batteries. When battery power stops, you will be unable to control car. It is best to stop car when it starts to slow down.



# (Burn out resistor and motor)

The excessive driving can burn out the resister and the motor, for instance, driving for a long time in the 1st or 2nd speeds, the excessive stopping the wheels from rotating, insufficient assembly, etc --





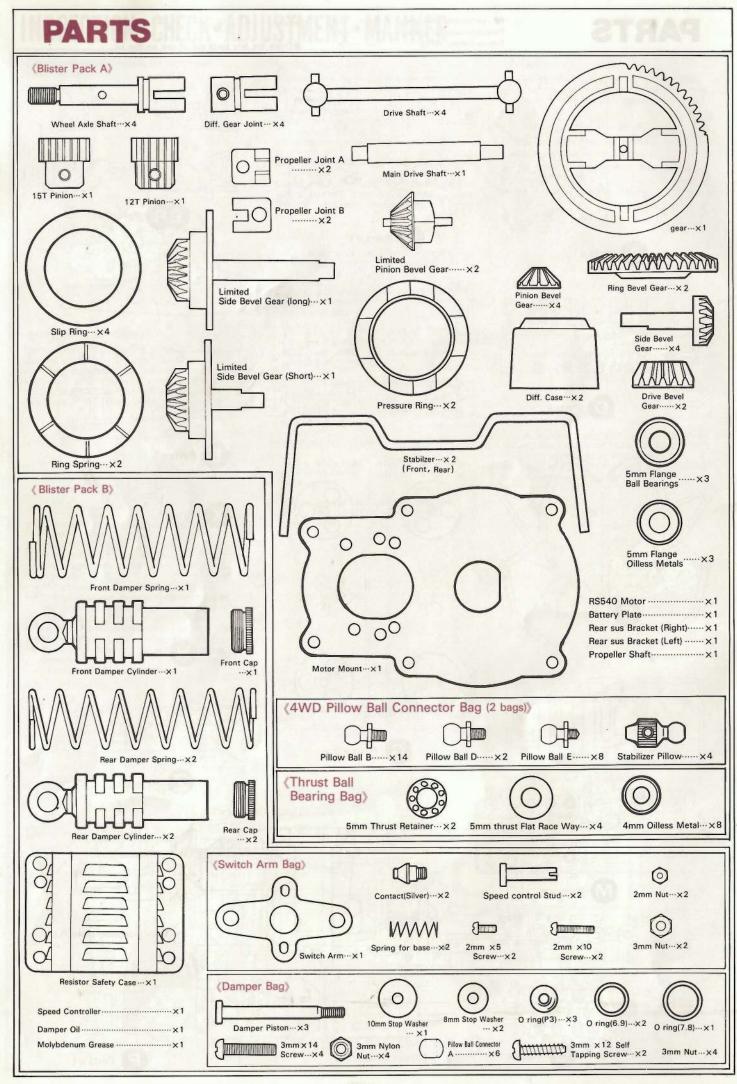
# Polycarbonate cowl body ·····×1 Polycarbonate Air-Intake ·····×1 Polycarbonate Wing------X1 There are any parts out of use on this kit. 000 000 B-2 B-5 B-6 6000 Parts x 1 Parts x 1 Parts x 1 10 0 AAAAAAAA 800 > @1110 () () () 0 · @1110 100 Parts X 2 9 0 Parts x 1 ම ල 0 Parts × 1 0 A 5 o 3 A 5 0 \$ 000 Parts x 1 (0) Parts x 1 (00000()00000) (0(0)0) 000 (00000()00000 G Parts x 2 Parts×1 @ 8 @ @<sup>6</sup>@ @<sup>6</sup>@ <sup>5</sup>@ (O)°(O) Lower-Chassis x 1 00 00 10000000 Parts X 2 **⊚**6 √ 1 6 5 V 6 5 V 000 @,@ Wire partition plate R,L 00

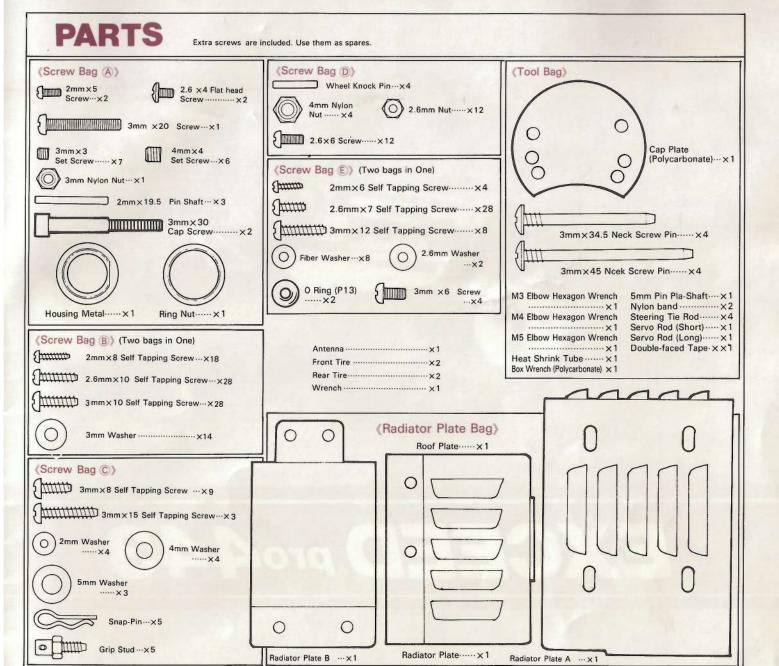
Parts × 1

Upper-Chassis x 1

0

Parts x 1





# REPAIR PARTS LIST

Below is the list of spare parts available for your car. Please contact your local dealer for these parts and also, for optional performance parts.

No.	Description	No.	Description
P042	Upper and Lower Chassis + Wire partition plate	P017	Wheel Axle Shaft (2pcs.)
	A parts (Front and Rear Diff. Case)		Diff. Gear Joint (2pcs.)
	Z parts (Servo Horn for this kit)		Drive Shaft (2pcs.)
	BR parts (Rear Arm)		Side Bevel Gear + Pinion Bevel Gear (2pcs. each)
P003	B parts (Front Arm)		Diff. case + Ring Bevel Gear + Drive Bevel Gear
P046	D parts (Adjuster)		Rear Sus Bracket 4WD (Right and Left each)
P006	E parts (Bumper)	P058	
P047	F parts (Roll bar)	P027	
P048	O parts (Oil damper)	P059	4WD Motor Mount
P049	Screw Bag A	P030	Battery Plate
P050	Screw Bag B		54T Gear + Main Drive Shaft
P051	Screw Bag C	P061	Propeller Joint (A, B set)
P052	Screw Bag D	P062	Propeller Shaft
P053	Screw Bag E	P040	
P054	Tool Bag	P063	
P055	Radiator Plate Bag	P064	Cap plate + Cap screws (2pcs.)
P036	Switch Arm Bag	P065	
P037	Damper Bag (one set)	P041	
P056	4WD Pillow Ball Connector Bag (one bag)	P068	
P031	Front Damper Spring		
P032	Rear Damper Spring (2pcs.)		
P066	Front Damper Cylinder + Cap (Blue)		
P067			
P035	Resistor Safety Caces		
P016	Antenna		



# EXCEED pro443





# Nichimo Rose RC Parts NICHIMO THE NEWEST TECHNOLOGY THE NEWEST MATERIAL R.C.



AO1 Speed Controller	AO2 Speed Controller	AO3 Silver Contact Piece	AO4 Controller Servo Holber Set
(2WD FF)	(4WD)	(2pcs)	
	370	0	
AO5 Change-over 7.2V Connector Unit	AO6 Bearing & Servo Saver Set	AO7 4mm Flange Ball Bearings	AO8 5mm Flange Ball Bearings
	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	(2pcs)	(2pcs)
AO9 4mm Thrust Bearings (2pcs)	A10 5mm Thrust Bearings (2pcs)	A 1 1 4mm Flange Oilless Metals (8pcs)	A12 5mm Flange Oilless Metals (8pcs)
0 8 0 0 8 0	000	999	0000
A13 Front Super Block Tires (2pcs)	A14 Rear Super Block Tires (2pcs)	A15 Front Wheel Set	A16 Rear Wheel Set
9	60		
A17 Motor Silicon Cord Set	A19 15T, 18T Motor Pinions	A20 15T, 18T Motor Pinions	A21 Spirit FF Upright L, R Set
0	(FF)	(4WD)	- 00 E
A22 Spirit FF Spare Body Set	A23 Exceed 443 Upright L, R Set	A24 Exceed 443 Spare Body Set	A25 Center Diff LSD Ring Set
	300		0000
A26 Center Diff LSD/Gear Set	A27 12T, 15T Motor Pinions (FF)	A28 12T, 15T Motor Pinions (4WD)	A29 Super Pin-Spike Tire and Wheel Set (2pcs)
0 0	aluminium gear	aluminium gea	(4)