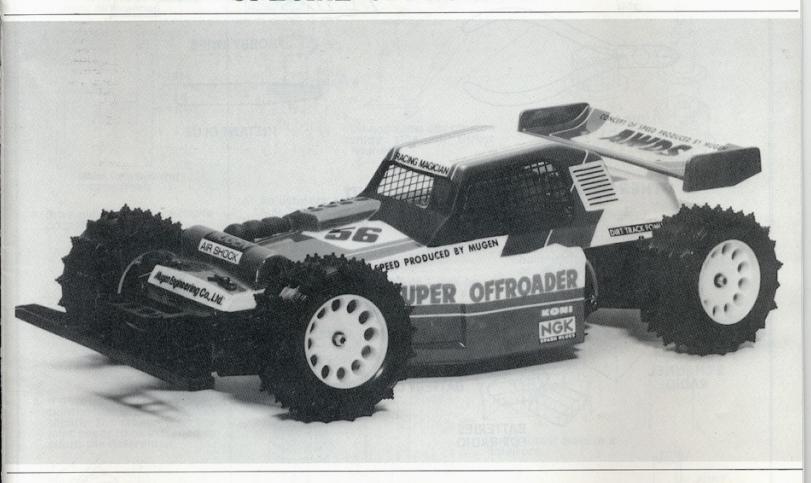
MUGEN BULLDOGII AW.D.S. SUPER OFF-ROADER

1/10th SCALE

ELECTRIC POWERED RADIO CONTROLLED

SPECIAL OFFROADER



good performance even in the hands of a beginner high-traction tires give good roadholding and stability

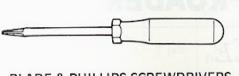
MABUCHI RS-540S INCLUDED - REQUIRES 2 CH. RADIO AND 7.2V-1200 MAH NI-CD BATTERY

INSTRUCTION MANUAL

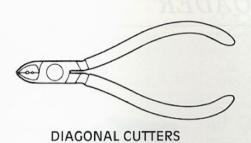


18480 BANDILIER CIRCLE OUNTAIN VALLEY, CA 92728-8610

1. TOOLS NEEDED FOR ASSEMBLY



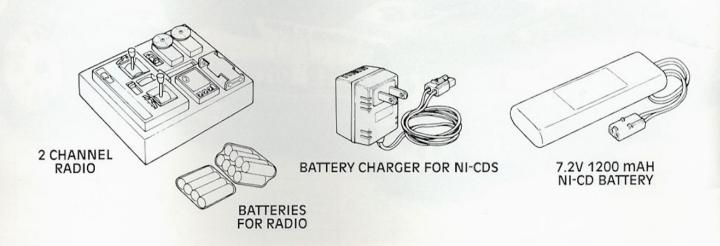


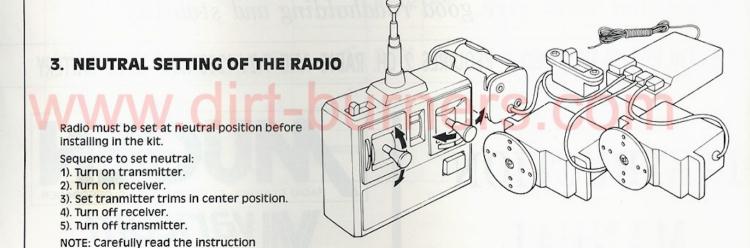


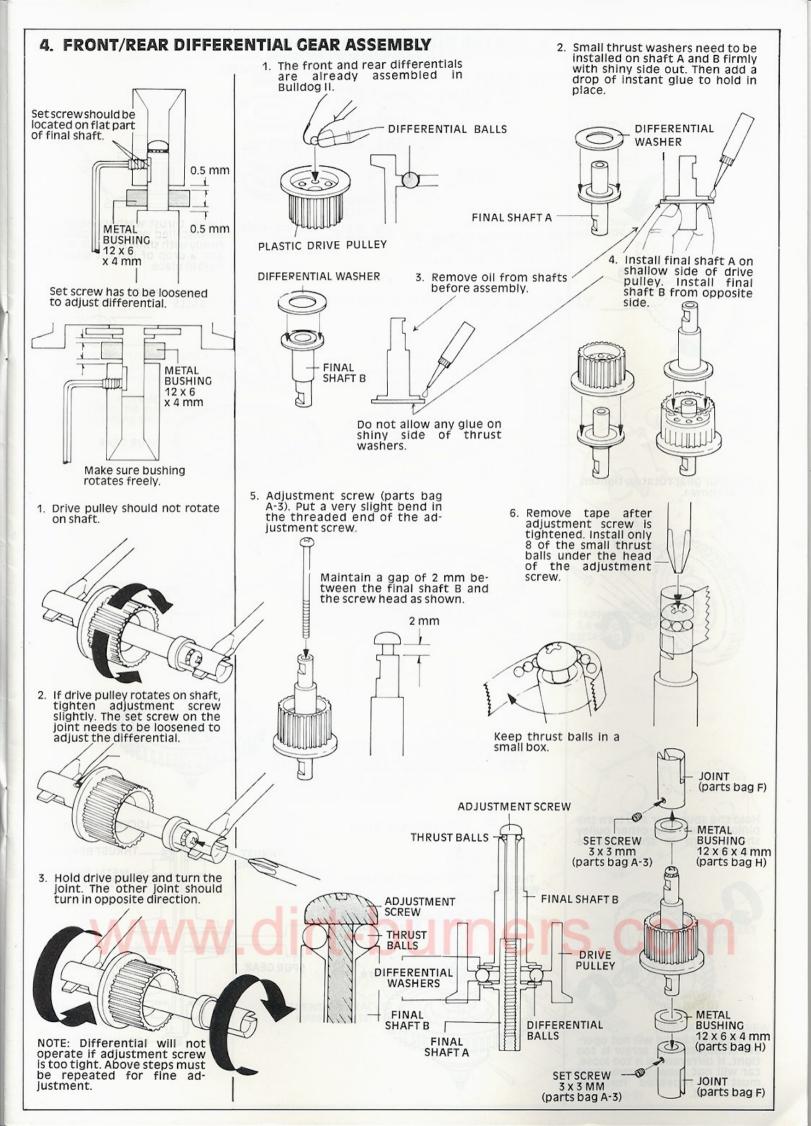
manual of your 2 channel radio before using.



2. OTHER ITEMS NEEDED TO COMPLETE KIT

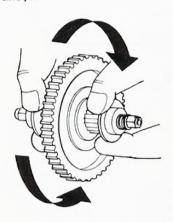




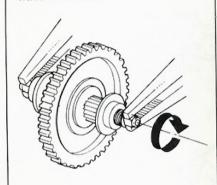


Center Differential Adjustment

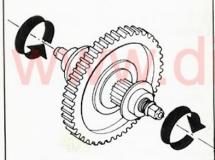
Spur gear should not rotate after assembly when holding pulleys.



If the spur gear rotates, tighten nuts as show.1.



Hold the spur gear and turn the pinion pulley. The other pulley should turn in the opposite direction.



NOTE: Differential will not operate if adjustment screw is too tight. If differential is too loose, car will not move. Above steps must be repeated for fine adjustment.

5. CENTER DIFFERENTIAL GEAR ASSEMBLY

(Already assembled in the Buildog II)

3. DIFFERENTIAL WASHER

1. LOCKNUT, 3 mm

Oil here.

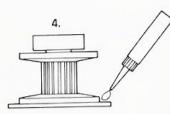
Oil here.

CENTER SHAFT

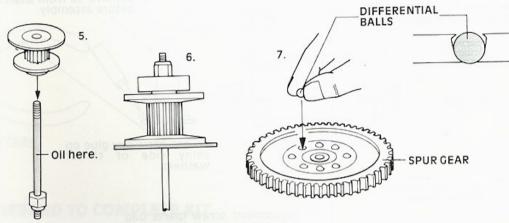
PINION PULLEY

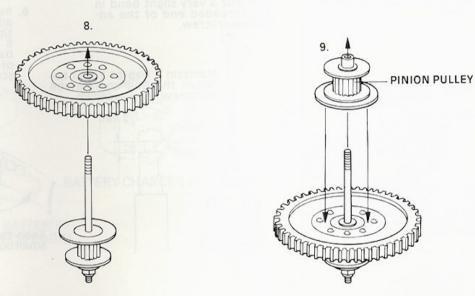
Do not damage threads. Differential will not rotate properly if the shaft is damaged.

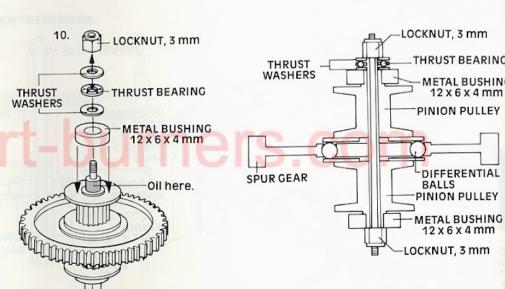
Slip metal bushing onto pinion pulley.

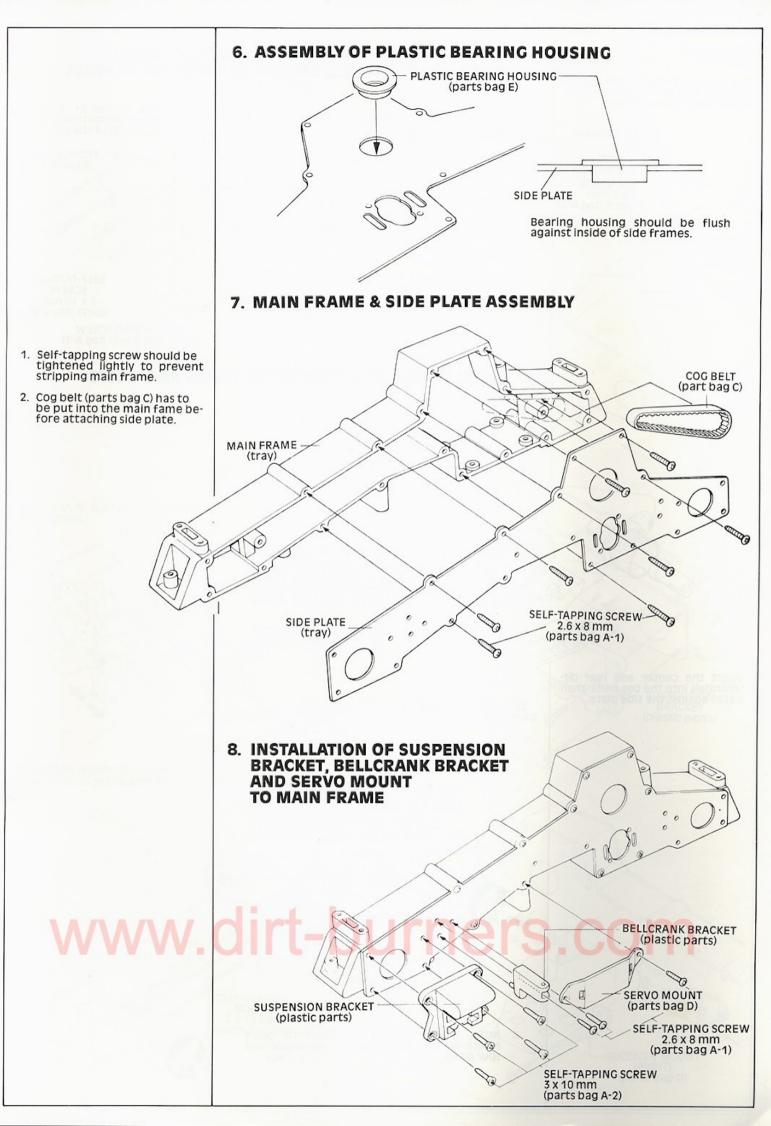


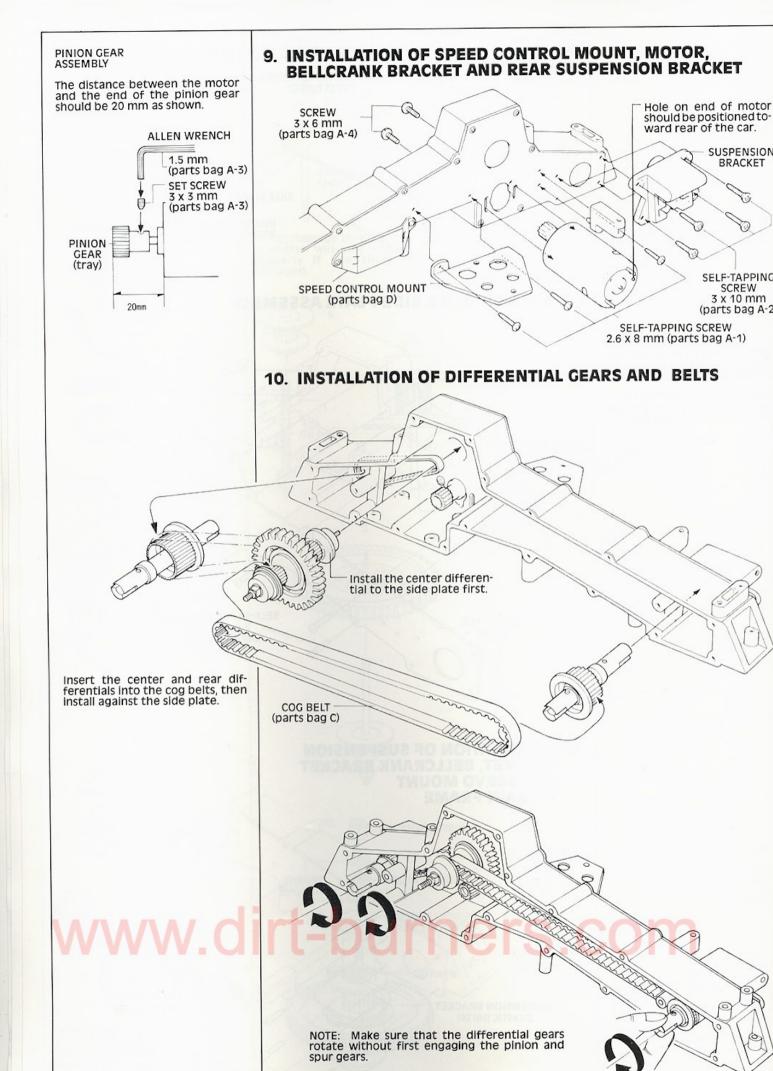
Large, thrust washers need to be installed on pinion pulleys firmly with shiny side out, then add a drop of instant glue to hold in place.

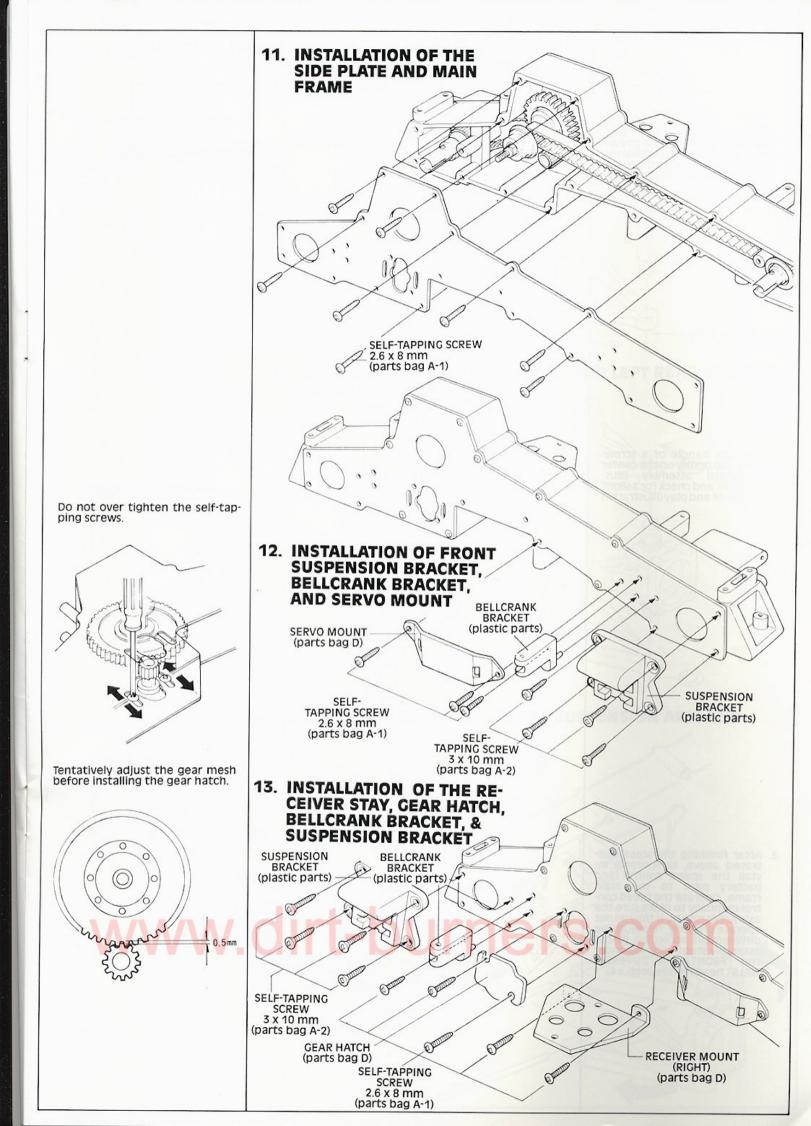








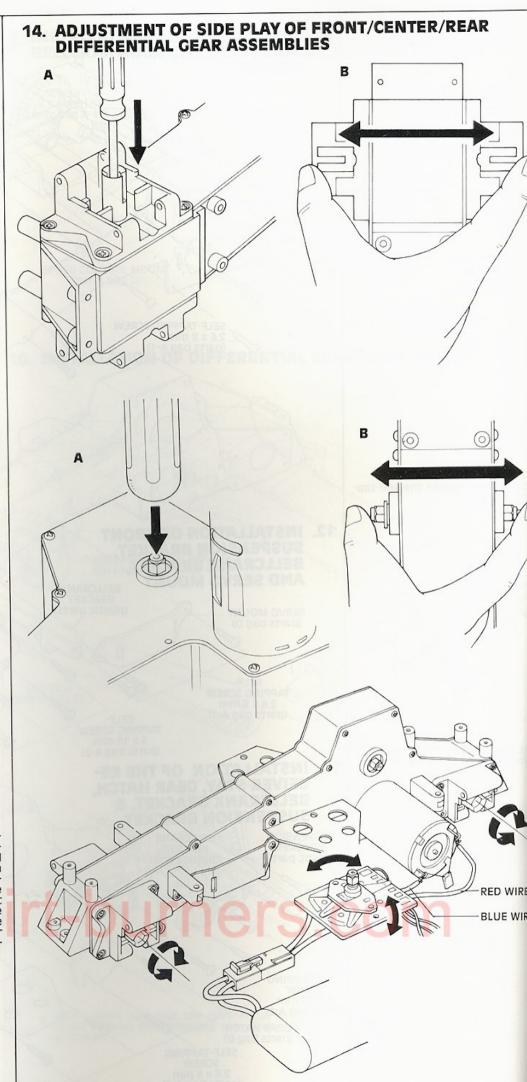


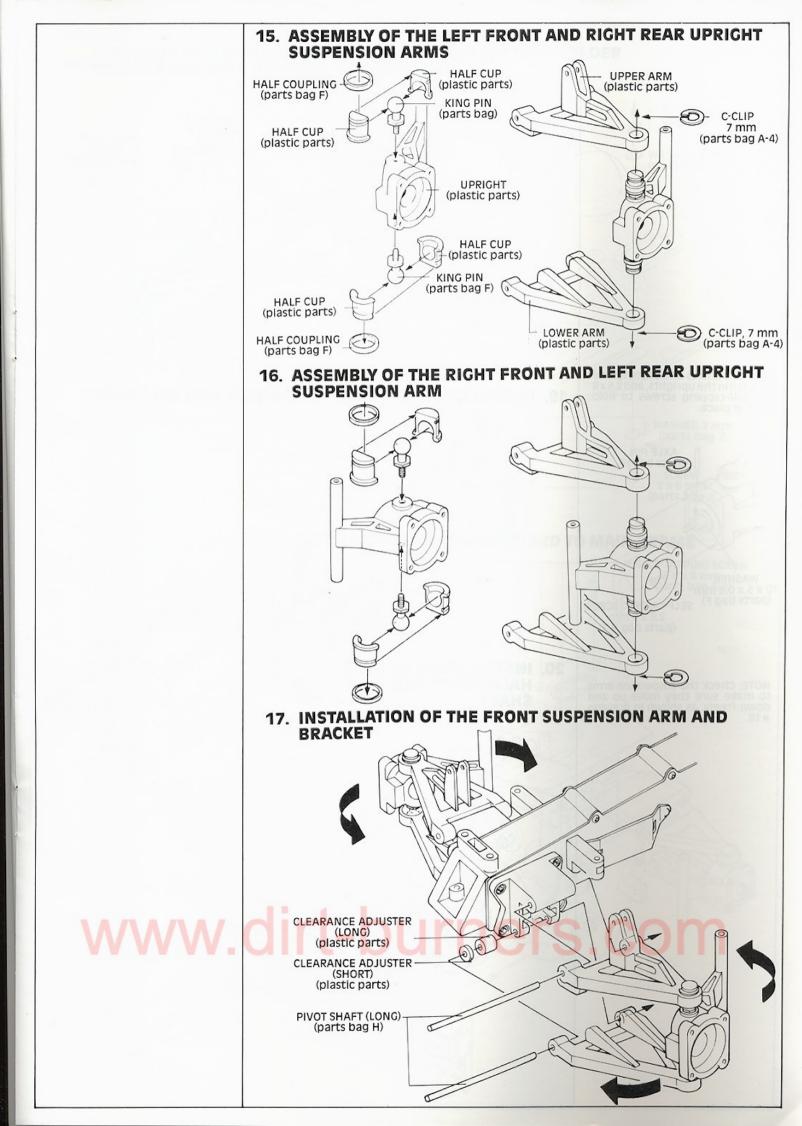


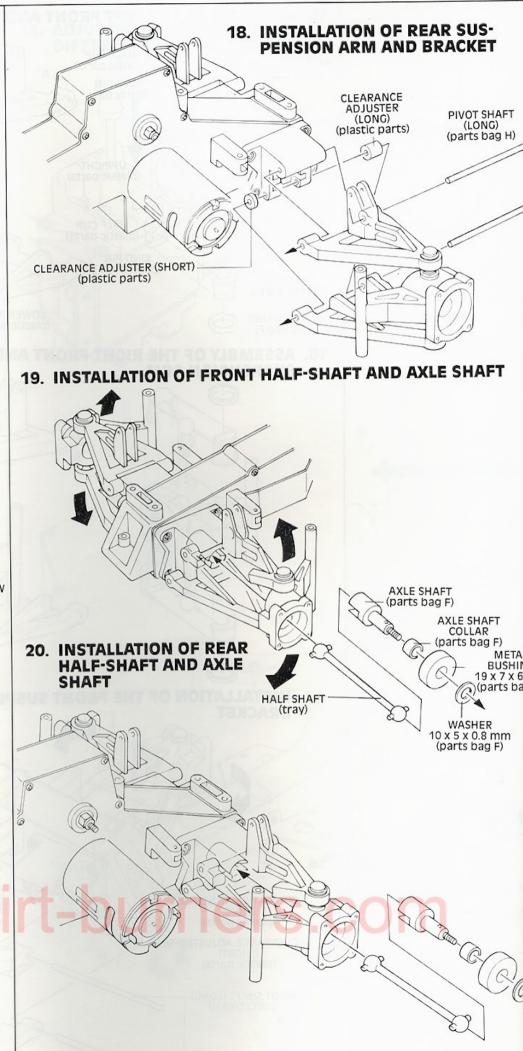
 Gently press on the front and rear differentials with a screwdriver or similar tool (illustration A), and make sure there is a slight amount of end play (illustration B).

 Using the handle of a screwdriver, tap gently on the center differential assembly (illustration A), and check for a slight amount of end play (illustration B)

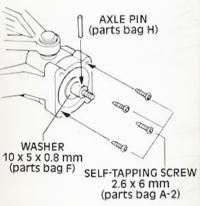
3. After finishing the steps illustrated above, temporarily install the speed control and battery pack to the main frame. Operate the speed control manually to make sure the axle joints rotate. If they do not operate properly, re-adjust the differentials according to the assembly steps outlined under the "FRONT/REAR DIFFERENTIALS" heading (see step #4).



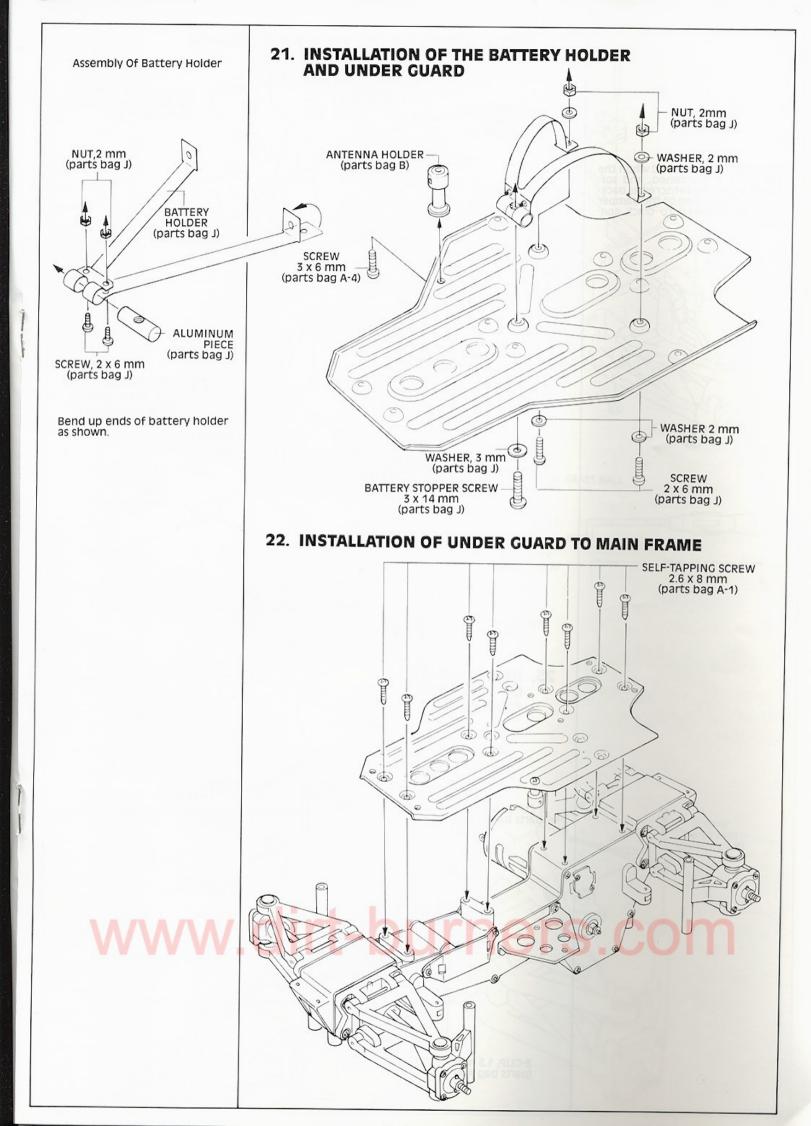




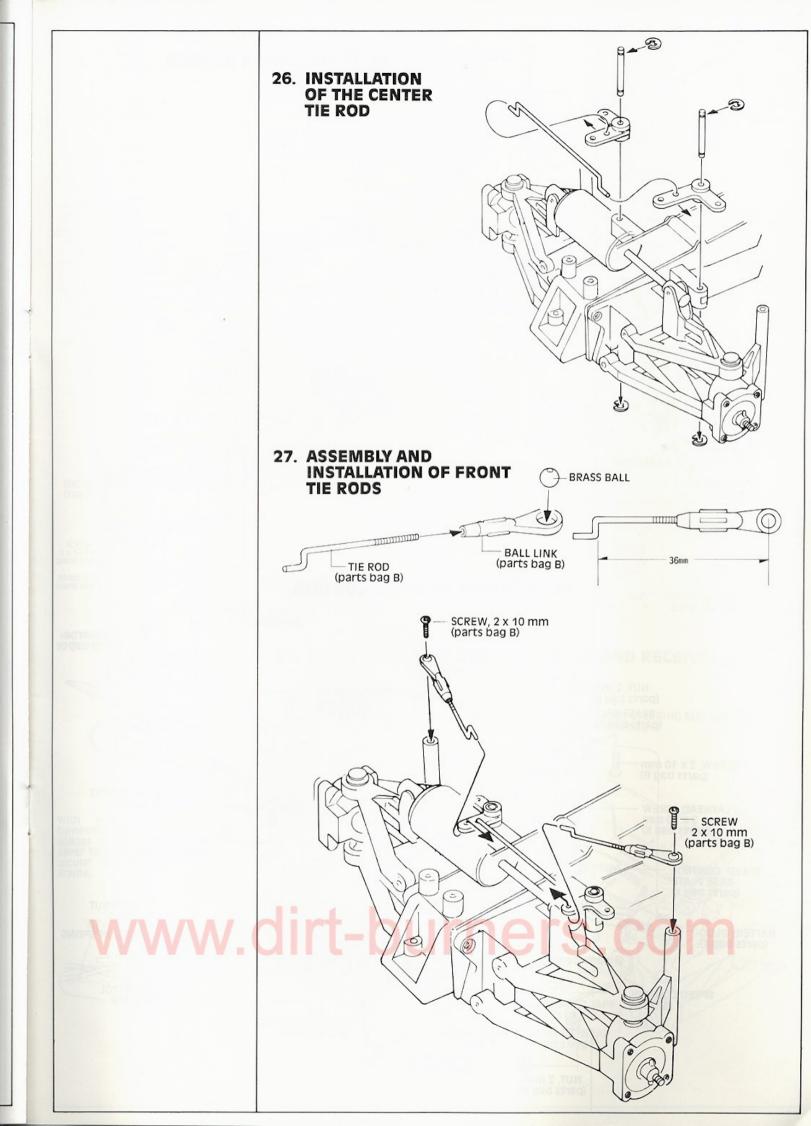
After axle shafts and bushings are installed in the uprights, add 2.6 x 6 mm self-tapping screws to hold them in place.

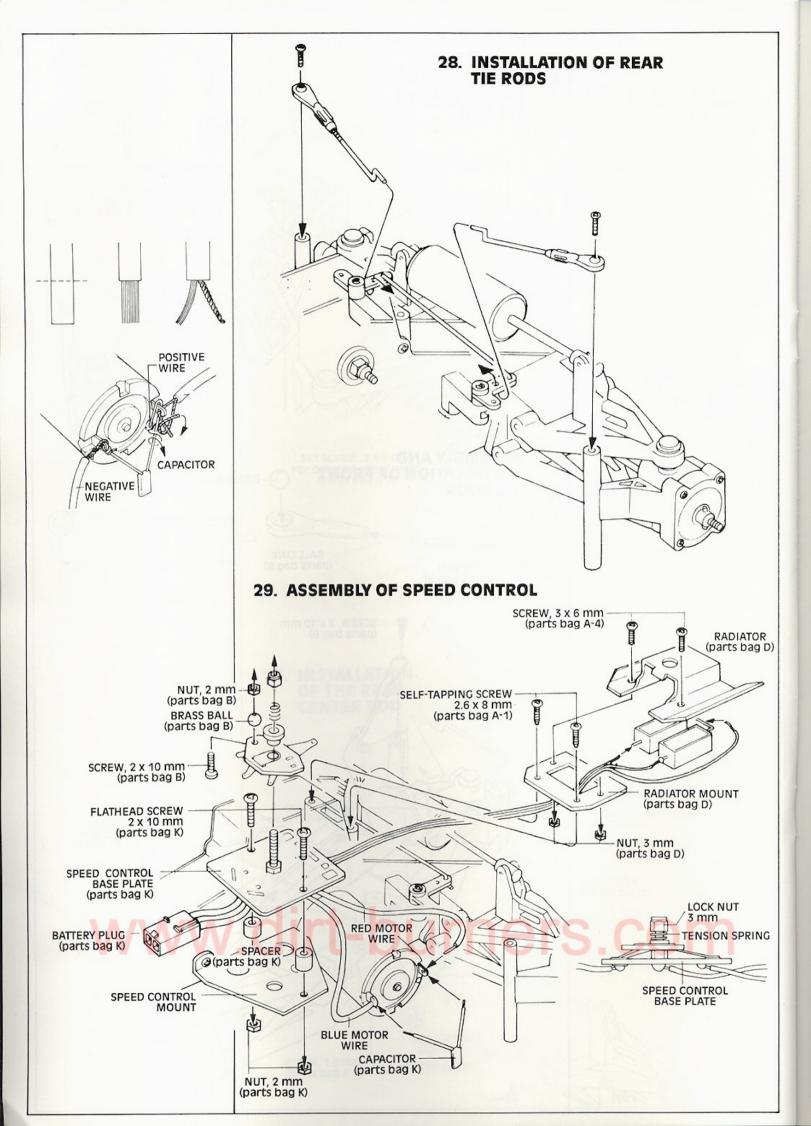


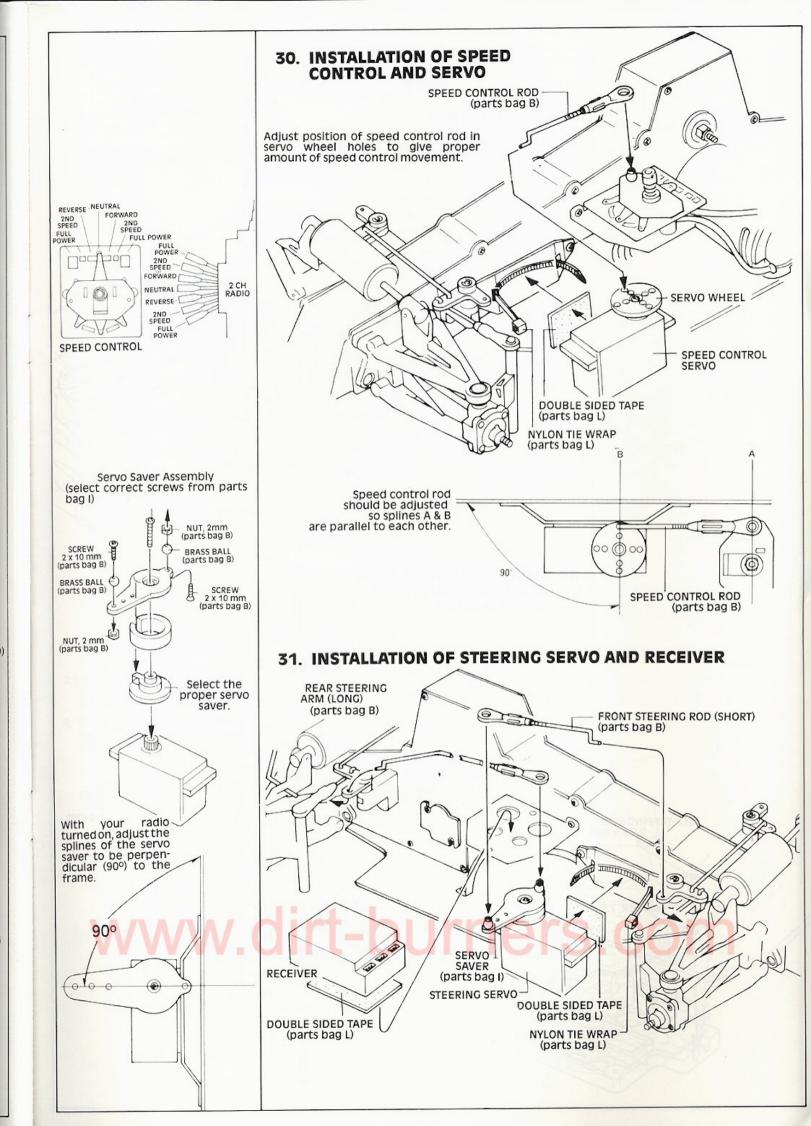
NOTE: Check the suspension arms to make sure they move up and down freely, as shown in drawing #19.

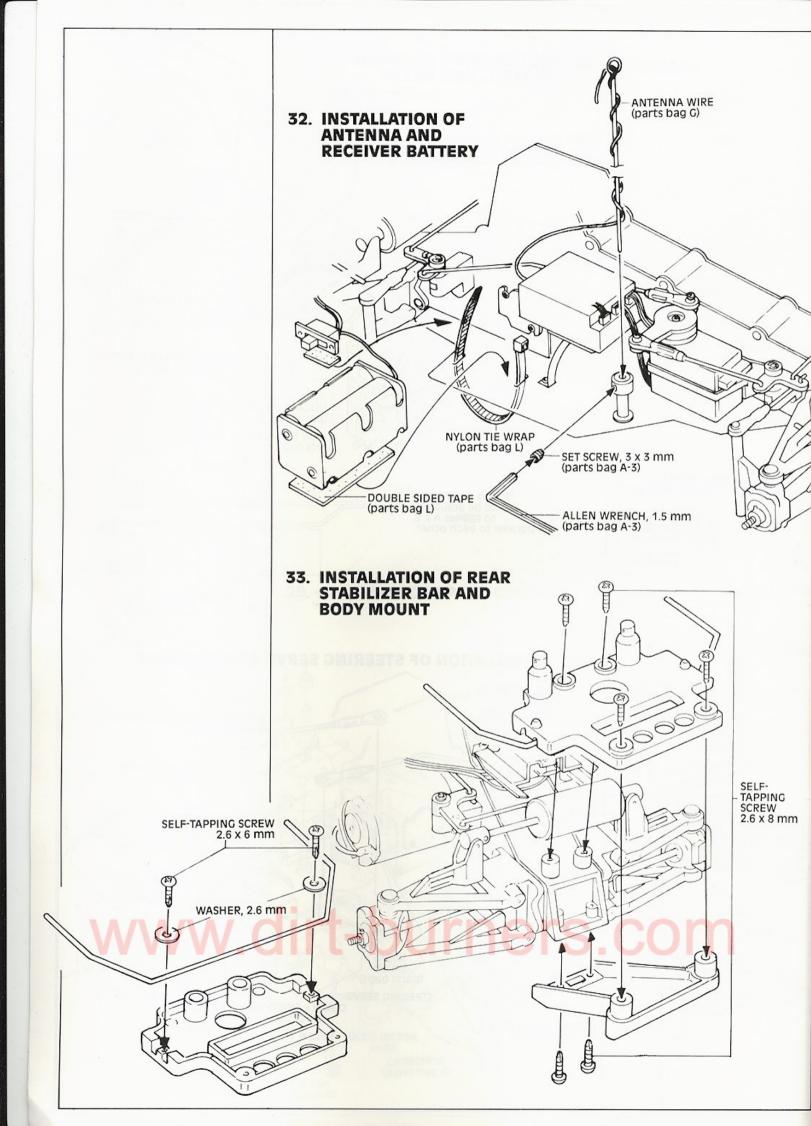


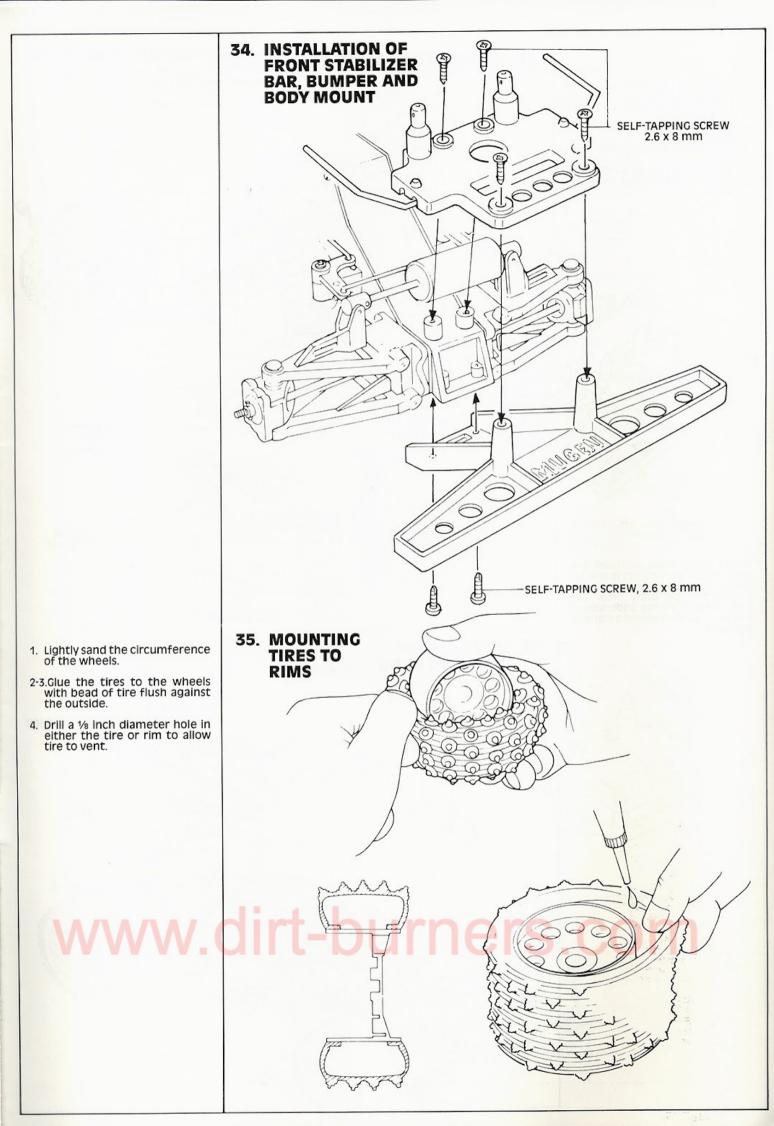
23. INSTALLATION OF THE FRONT AIR DAMPER AIR DAMPER (tray) SET SCREW, 3 x 3 mm For damper adjustment DAMPER PIVOT (parts bag A-3) SHAFT (parts bag H) The damper is stiffened when the set screw is tightened, and softened when the set screw is backed out. The setting of the damper must be adjusted to track conditions. 24. INSTALLATION OF THE REAR AIR DAMPER AIR DAMPER 00 (tray) SET SCREW, 3 x 3 mm For damper adjustment DAMPER (parts bag A-3) PIVOT SHAFT (parts bag H) 25. INSTALLATION OF THE REAR **CENTER ROD** CENTER TIE ROD (parts bag B) E-CLIP, 1.5 mm (parts bag A-4) BELLCRANK PIVOT SHAFT (parts bag F) BELLCRANK (plastic parts) BELLCRANK 0 BRACKET E-CLIP, 1.5 mm (parts bag A-4) (plastic parts)

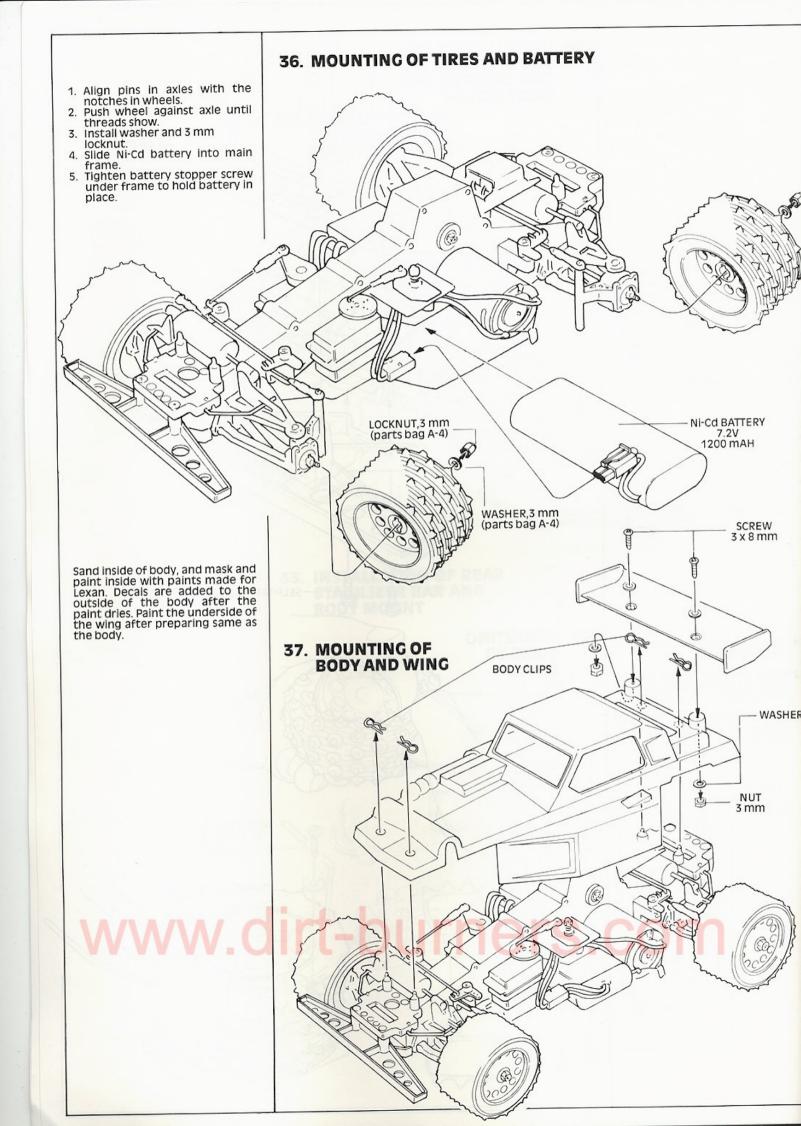


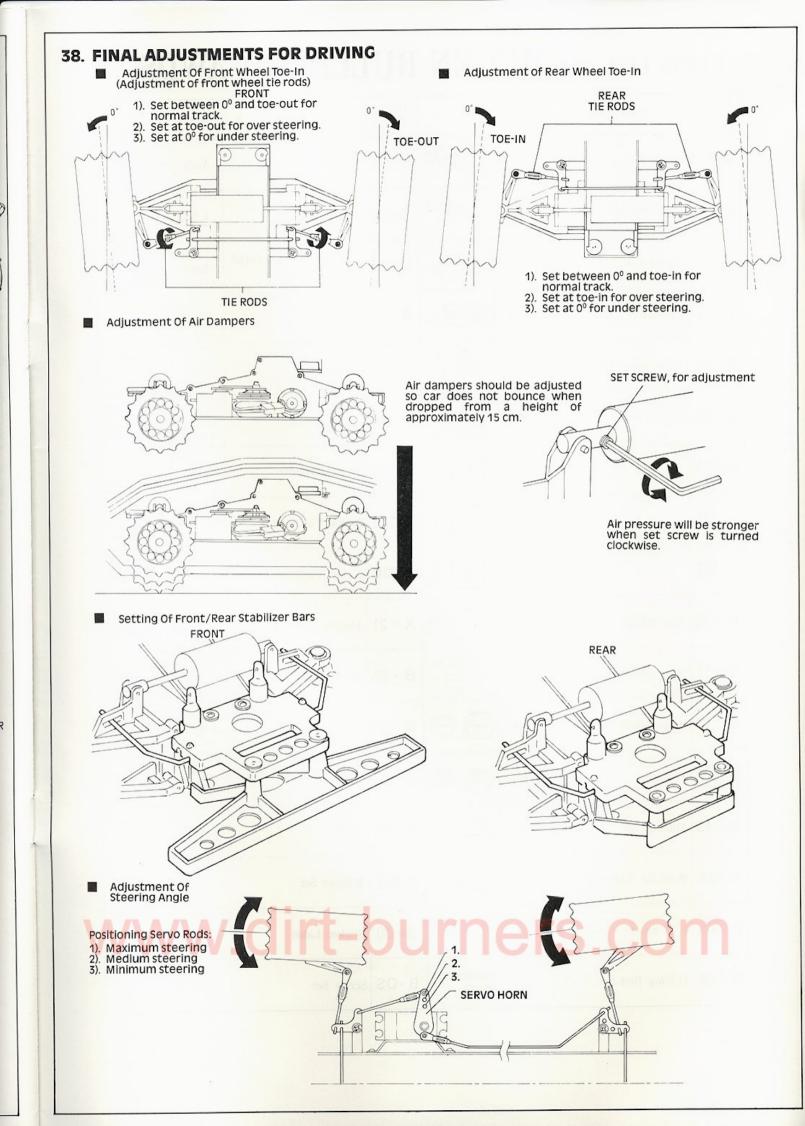












PARTS LIST FOR MUGEN BULLDOGII AWDS

Parts Nos.	Descriptions	Q'ty		Parts Nos.	Descriptions	Q'ty	
B-1M	Main Frame	1 pc.	Car D	B-14C	Center Differential Gear	Ass'y	
B-1S	Side Plate	2 pcs.	6	B-14G	Thrustball Set	1 Set.	
B - 2	Under Guard	1 pc.		B-14FR	Front/Rear Differential Gear	Ass'y	
B - 3	Controller	Ass'y	\$20	B-14J	Joint	4 pcs.	
B-5A	Suspension Arm	1 Set.	26	B - 17	Linkage Set	1 Set.	
B-5B	Pivot Pin	1 Set.		C - 18	Servo Guard	l pc.	000000
B-812T	"	1 pc.		C-20 A	Battery Holder	1 Set.	9
13T	"	"		X -20 B	Nylon Tie Band	8 pcs.	
14T	,	"		X -20 C	Nylon Tie Band	8 pcs.	*
B - 10	Tire/Wheel	2 sets		X - 21	Double Face Tape	2 pcs.	1
B - 11	Axle Shaft	1 Set.		B - 25	Air Damper	2 pcs.	£
B - 12	Oiless Metal	1 Set.	99	B - 26	Stabilizer Set	1 Set.	6.5
B-12SS B-12SL	Bearing	2 pcs.		B-27	Rx Stay	1 Set.	
X - 13	Antenna Set	1 set		B-102	Body	1 Set.	
X-13A	Wire for Antenna	2 pcs.		B-103	Bumper Set	1 Set.	
B-14A	Half Shaft	2 pcs.		B II -100	Sticker Label	1 sheet	m
B-14B	Driving Belt Set	2 pcs.		B-OS	Screw Set	1 set	