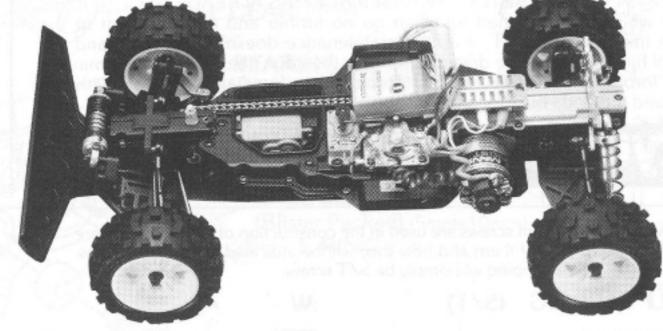
RADIO CONTROLLED ELECTRIC-POWERED SPECIAL RACING BUGGY

DOFF-ROAD RACER OFF-ROAD A RACER OFF-ROAD A RACER

- EXCITING PERFORMANCE FOR BOTH THE NEWCOMER AND THE EXPERIENCED DRIVER.
- EASY ASSEMBLY AND ADJUSTMENT, WITH GREAT POSSIBILITIES FOR HOP-UP MODIFICATIONS
- TOP QUALITY COMPONENTS USED THROUGHOUT: LIGHTWEIGHT CHAIN DRIVE, METAL-GEAR DIFFERENTIALS (2), CUSTOM-MADE RACING MOTOR (INCLUDED), OVERSIZE SHOCK ABSORBERS, ETC.
 - FOUR BALL BEARINGS FOR MINIMUM FRICTION (FULL BEARING SET OPTIONAL).
 - EXTRA-LONG SUSPENSION ARMS FOR MAXIMUM STABILITY ON ROUGH TERRAIN.
 - DOUBLE-WISHBONE SUSPENSION FRONT AND REAR.
 - STRONG CONSTRUCTION MATERIAL, SMOOTH BELLYPAN, ROUNDED BUMPER FOR MAXIMUM CRASH PROTECTION.
 - TWO GEARSETS SUPPLIED FOR CHOICE OF POWER CHARACTERISTICS: WITH OPTIONAL
 - EXTRA PINIONS, ROCKY CAN BE FINE-TUNED TO ANY COURSE.
 MOTOR IS MOUNTED MIDSHIP FOR PERFECT BALANCE,
 - BUT ALL COMPONENTS ARE EASILY ACCESSIBLE FOR SERVICING.
 - SPECIAL LeMANS 240ST MOTOR CUSTOM MADE FOR SUPER PERFORMANCE.







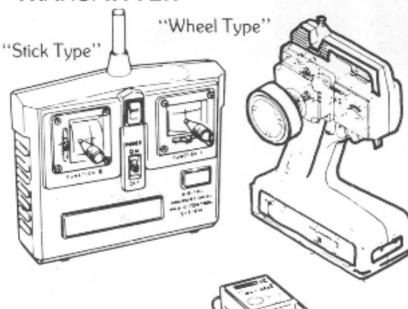
THINGS YOU WILL NEED **BESIDES THIS KIT**

OFF-ROAD RACER KNCKY® 4



A two channel, two servo radio control system is required for running the Rocky. The various components are pictured below.

TRANSMITTER







Note: use only radio frequencies specifically allowed to operate "surface" models such as R/C cars and boats. In the United States those frequencies fall within the "75 MHz" or "27MHz" bands. Use of any other frequencies is both illegal and dangerous.

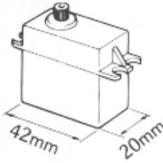
On Pages 23 and 24 there is a guide for the small parts used in each step. Simply cut out the sheet along the dotted line and use it to help you locate the particular parts and their shape used in each step.

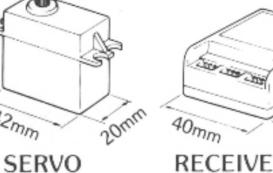
Throughout the instructions the symbols ([R0-8]) correspond with the parts bags in the kit. Use these along with Pages 20 and 21 to help locate the parts needed.

CHECK YOUR RADIO SYSTEM

Follow the instructions that came with your radio system to check out its operation.

You will also need to supply your radio with the proper number of batteries (usually 7 or 8 in the transmitter and 4 for the receiver.)





 NOTE: The dimensions shown are the maximum sizes which will fit.

RECEIVER

BATTERY PACK

A 6-cell, 7.2V battery similar in shape to the one shown here is required. The Kyosho #2218 or #2306 are good choices.

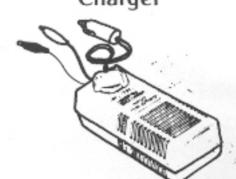


CHARGER

You'll need a charger to charge your battery. Kyosho offers three types:

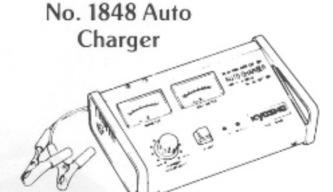
Model	Name	Time	Rate %	Features
No. 2207	Quick Charger (DC 12V)	20 Min.	70%	Inexpensive. OK for sport use.
No. 1846	Multi-Charger (DC 12V)	20 Min.	100%	Full charge. Wide range of batteries.
No. 1848	Auto Charger (DC 12V)	20 Min.	100°a	The best, fully automatic operation.
				Easy to use, suitable for competition.





KYUZHO • &

Precision Ball-Bearings



BALL-BEARINGS



The Rocky comes with a LeMans 240ST motor as stock. You may wish to upgrade the performance by purchasing a different Kyosho LeMans motor. We have found the best ones to be the 480G, 360PT, 360ST and 240SB.

OPTIONAL MOTORS

Ball Bearings greatly improve performance and reduce maintenance. The Kyosho #1972 is a complete set of optional bearings for your Rocky.

REQUIRED TOOLS

These ARE included with the Rocky.

1.5mm Allen Wrench

Silicone Grease



These ARE NOT included with the Rocky.

Flathead Screwdriver

Phillips Screwdriver

5/16" Nut Driver

Scissors

Needle Nose Pliers

Wire Cutters So

Awl

Sharp Hobby Knife

Cyanoacrylate glue (such as Jet, CA, Hot Stuff or Krazy Glue).







Paint Brush

IMPORTANT! BEFORE YOU BEGIN

This is a sophisticated model with a large number of moving parts. Before you begin assembly, take a look through the box and these instructions carefully to decide whether or not you are ready for this challenge! If you do not feel that this type of model is for you, it may be returned to the dealer as long as it is NEW and UNUSED. UNDER NO CIRCUMSTANCES CAN YOUR DEALER ACCEPT A KIT FOR RETURN IF ASSEMBLY HAS ALREADY BEGUN! If this is not what you bargained for, then go no further and return this kit to the dealer immediately. BUT, if a little maintenance doesn't bother you and the thrill of high performance driving is for you, then don't hesitate another minute! Read through this entire manual thoroughly to familiarize yourself with the parts and methods of construction used before actually starting to build.



ENTIRE CONTENTS

©COPYRIGHT 1986, HOBBICO, INC.

A few different types of screws are used in the construction of your model. Here are some examples of them and how they will be indicated in the instructions. For example, Self Tapping will simply be \$/T screw.

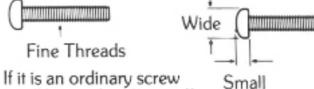
SELF TAPPING (S/T)

Coarse Threads

Has a tapered end.



Fine Threads

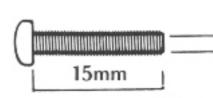


Small it will be marked "screw".

METRIC NUTS AND BOLTS

All nuts and bolts used throughout this kit are metric size. Therefore, some of the notations may not be familiar to you. An M3 nut is a 3 millimeter (3mm) nut. An M3 × 15 screw is 15mm long and 3mm in diameter. Some round parts may be labeled as a "4 Ø Washer" (this would be a washer with a 4mm inside

M3 × 15 SCREW



3mm



4mm

diameter) or a "3 Ø Bushing" (a bushing with a 3mm inside diameter). At various points throughout the manual these parts are labeled and pictured in their actual size on the left hand side of the page. For your reference, 1 millimeter equals approximately .039 inches

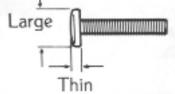
ALLEN HEAD SCREW (A/H)



FLAT HEAD SCREW (F/H)

Tapered Head

PAN HEAD SCREW



In addition to the shock oil (red liquid) you will also find a small tube labeled "screw cement". This bluish-green locking compound may be used on all nuts and bolts in the car to ensure reliability. We have labeled those parts of the car where it is ESPECIALLY IMPORTANT to apply the compound with this symbol

Use this type of cement only on the nuts and bolts. When it calls for cement in the manual, use an "instant" type of glue such as Jet, CA, Hot Stuff or Krazy Glue. Another small tube of "silicone grease" (lubricant) is also included. Use it where you see the OIL > symbol.



A Compress the Spring and remove the Spring Holder by sliding the holder off of the piston. **B** Remove the Spring.

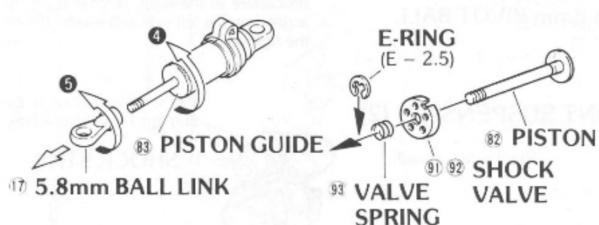
(Disassemble Steps • to • in order.)

SPRING
HOLDER

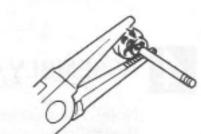
SPRING

Remove the Piston Guide 83 and the 5.8mm Ball Link

rotating them counter-clockwise. Be sure to use the
proper piston when assembling front and rear shocks.
For Front Shocks use the (5) Hole Piston. For the Rear
Shocks use the (6) Hole Pistons.



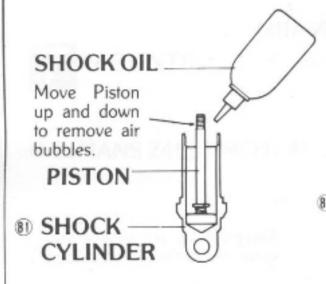
E-RING (E-2.5) — PISTON 93 92



Install the E-Ring using a pair of Needle-Nose Pliers.

Rotate Ball Link left or right

 Press the Piston all the way down then fill the cylinder with Shock Oil up to the rim inside the cylinder.



2. Reassemble in the order shown.

83 PISTON GUIDE

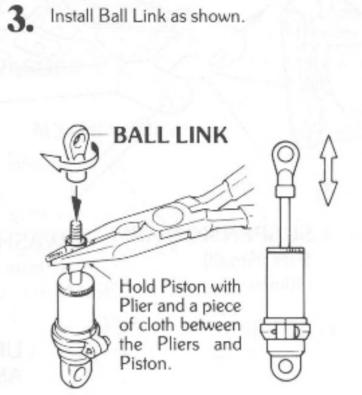
85 SEAL RING

86 WASHER

85 SEAL RING

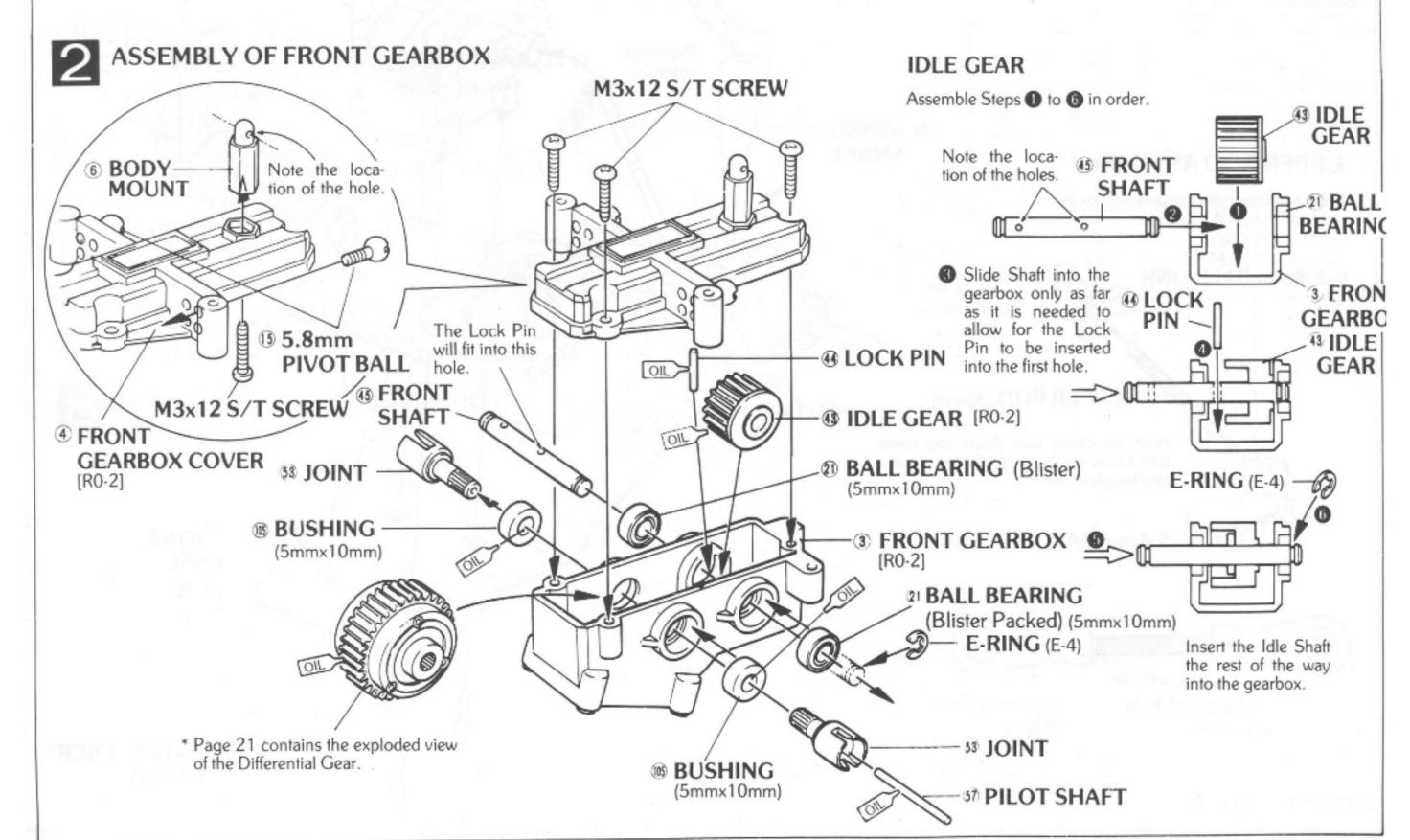
85 SEAL RING

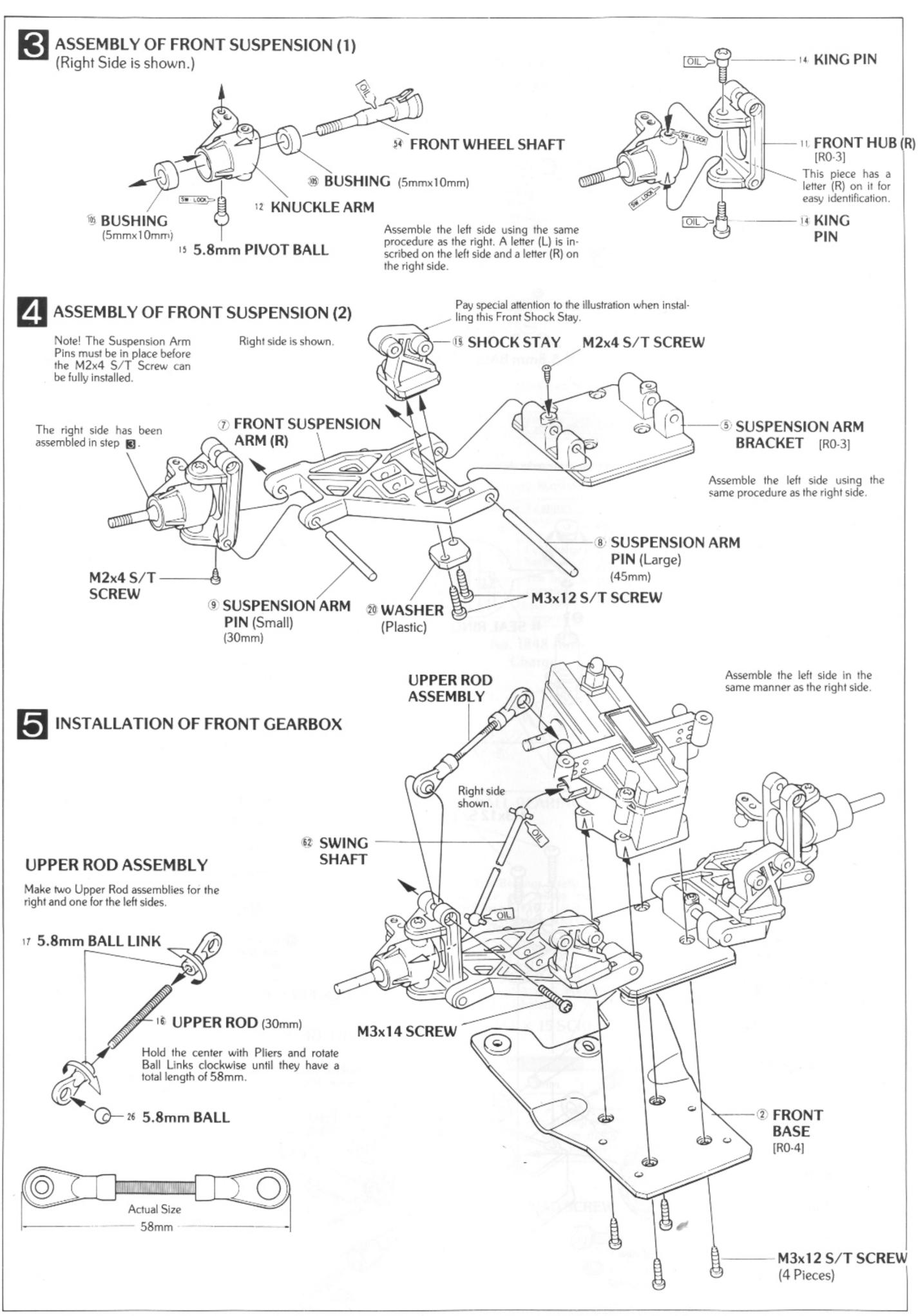
86 WASHER

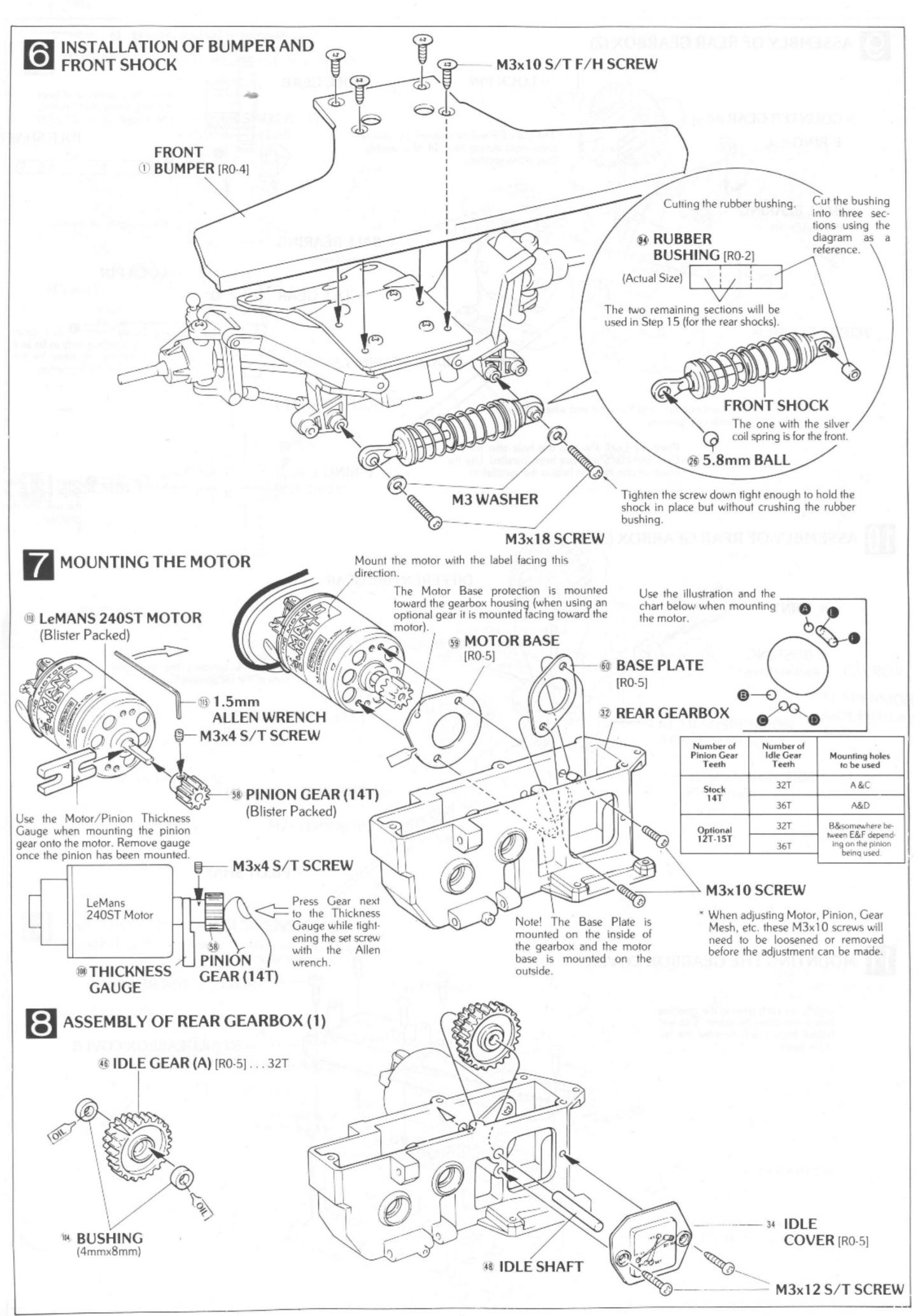


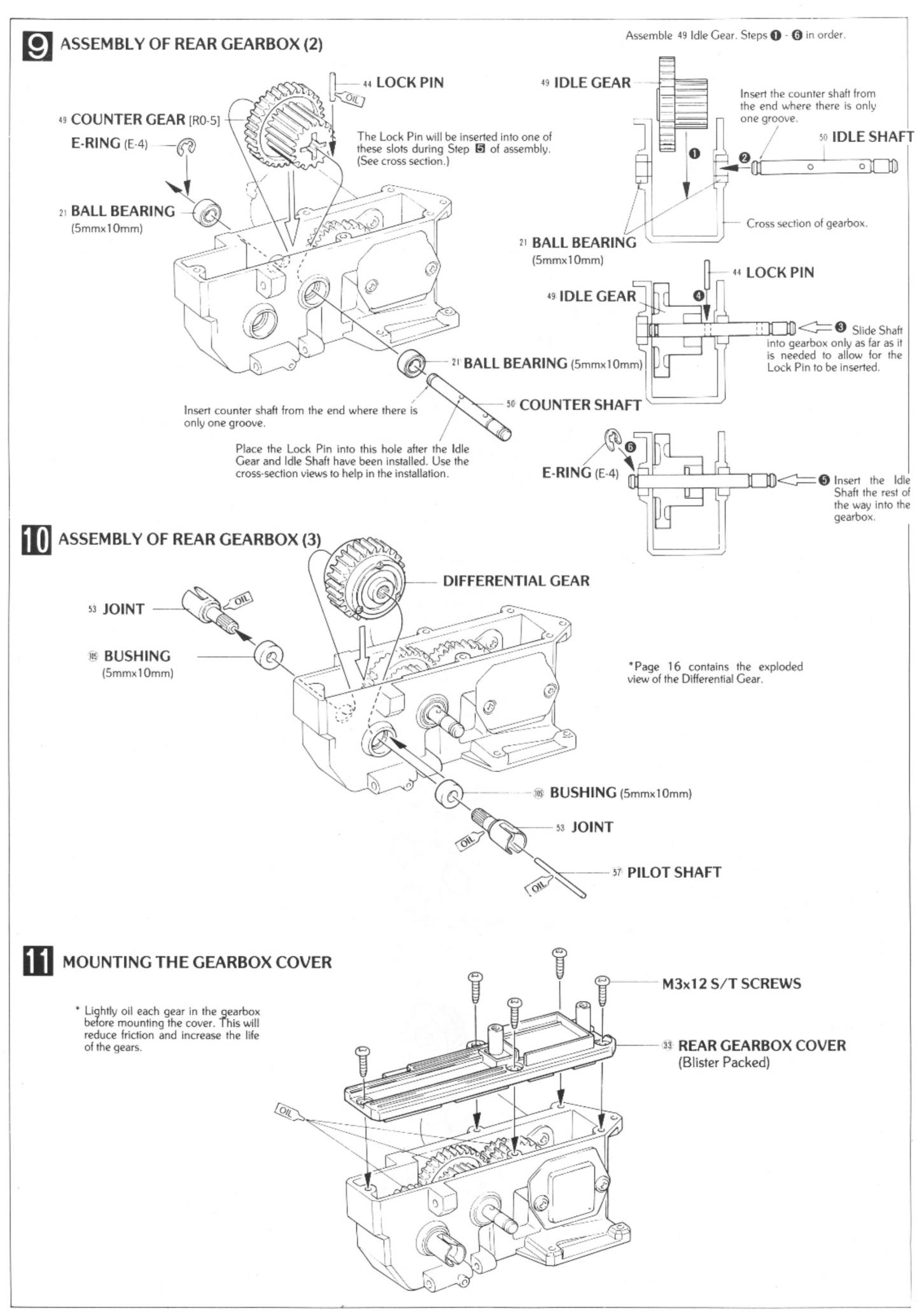
BALL LINK

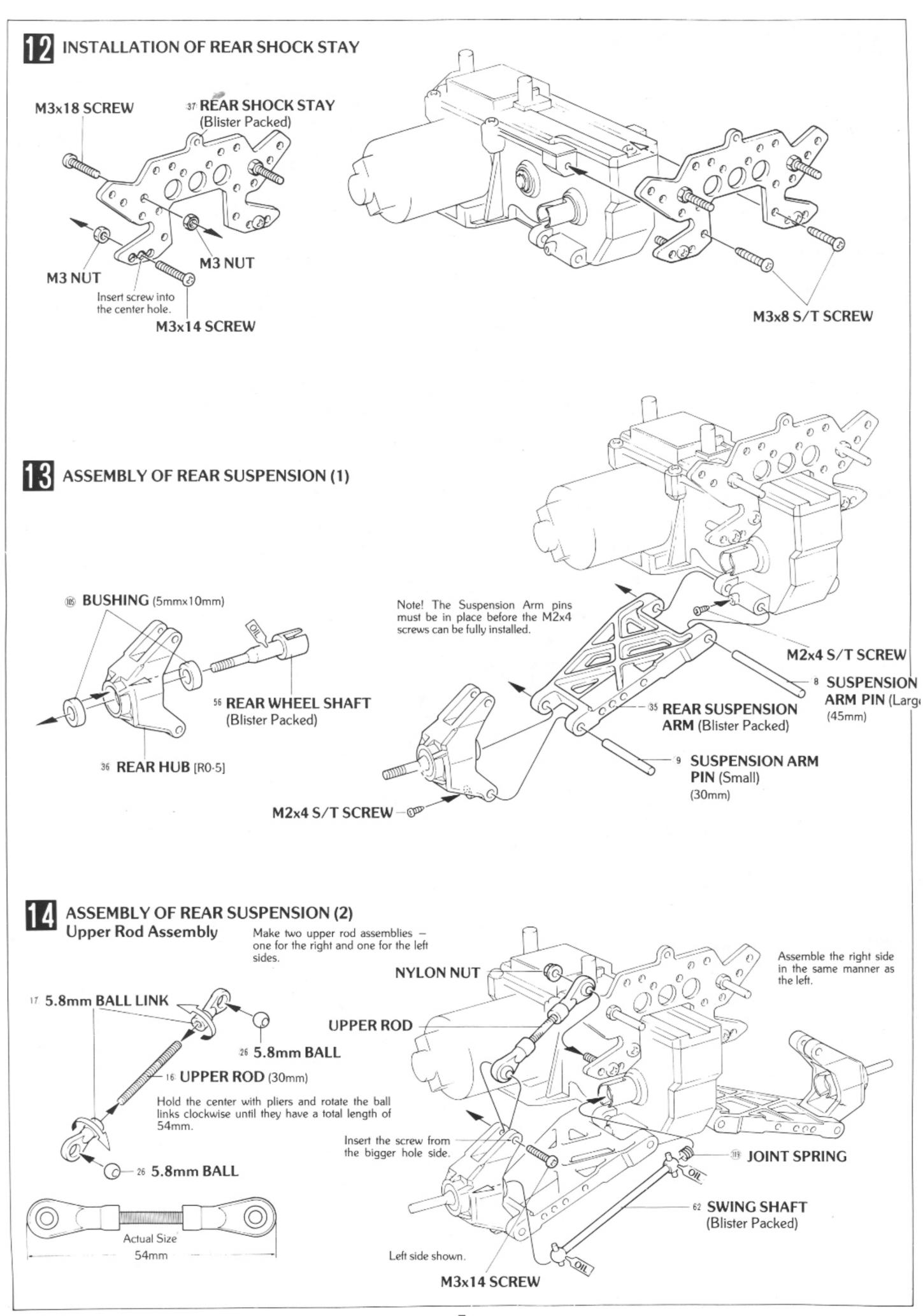
82mm

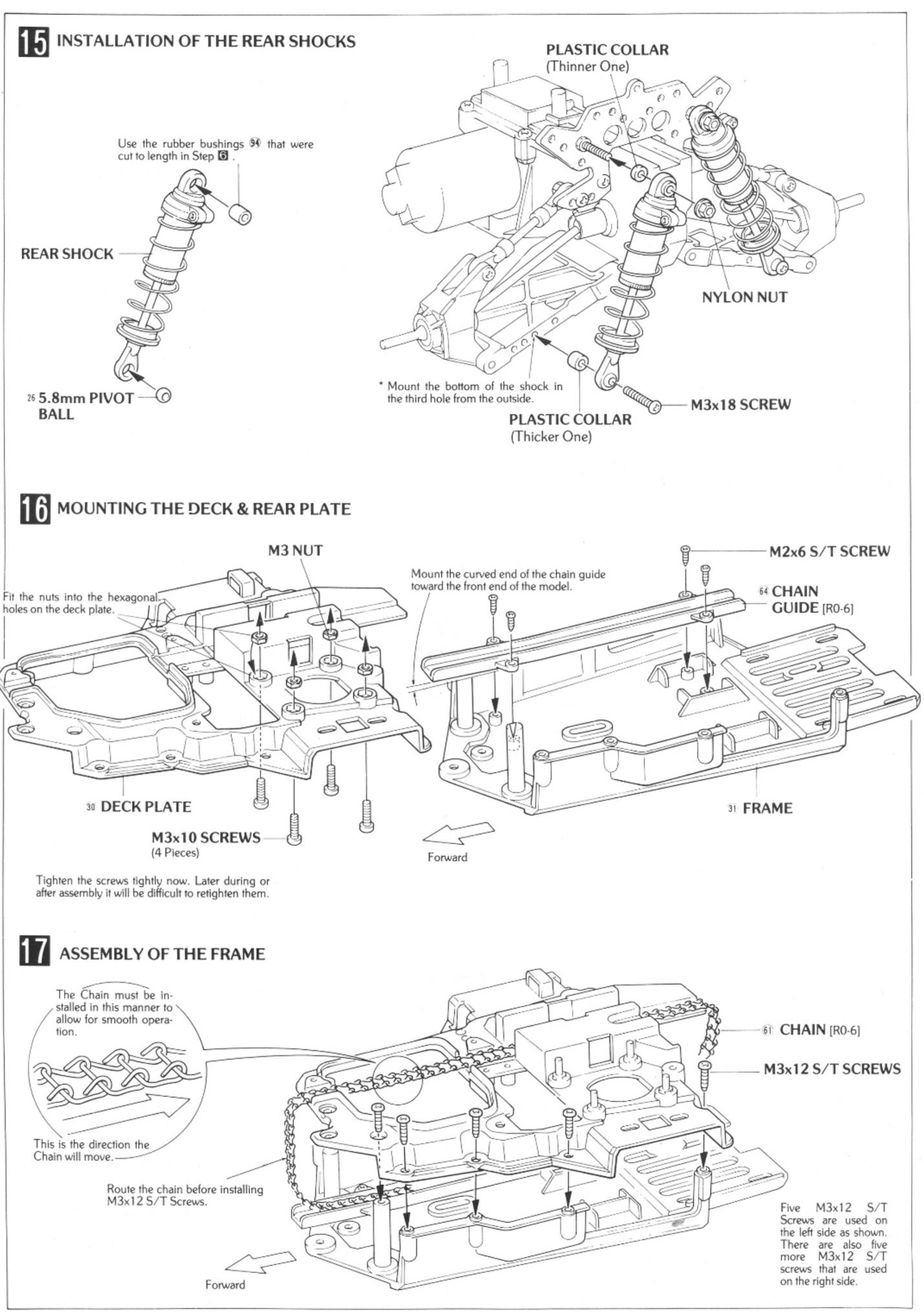


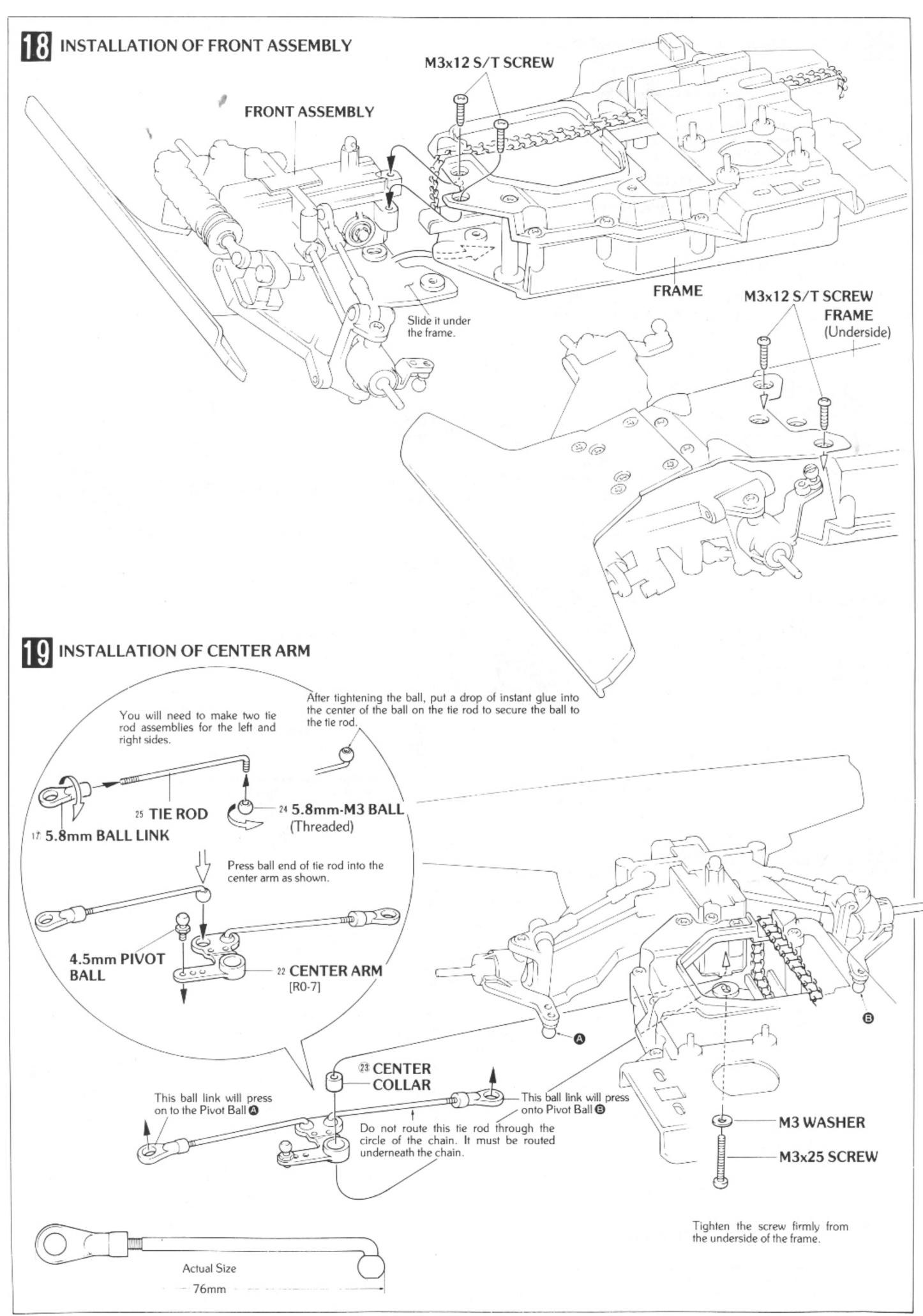


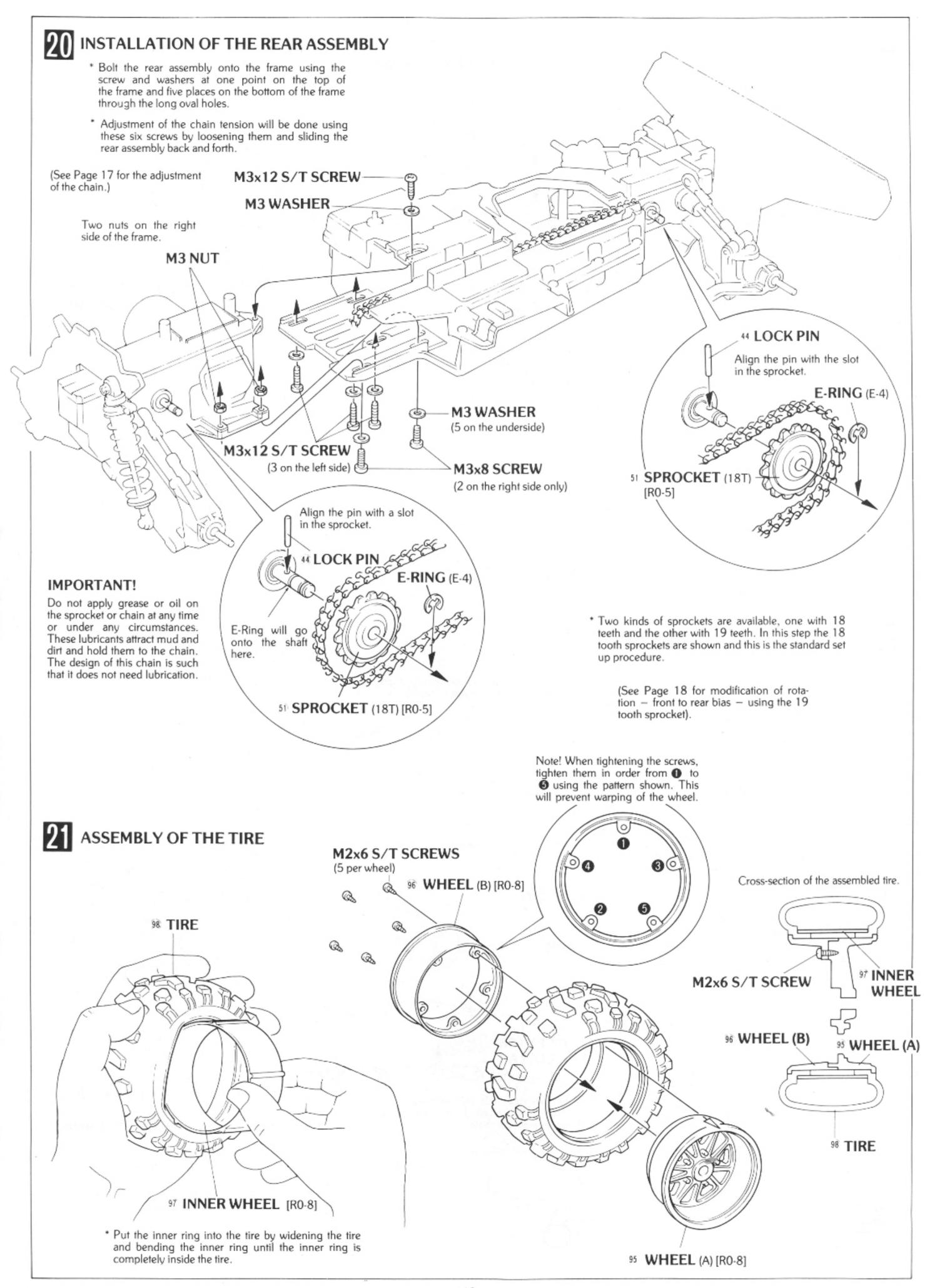


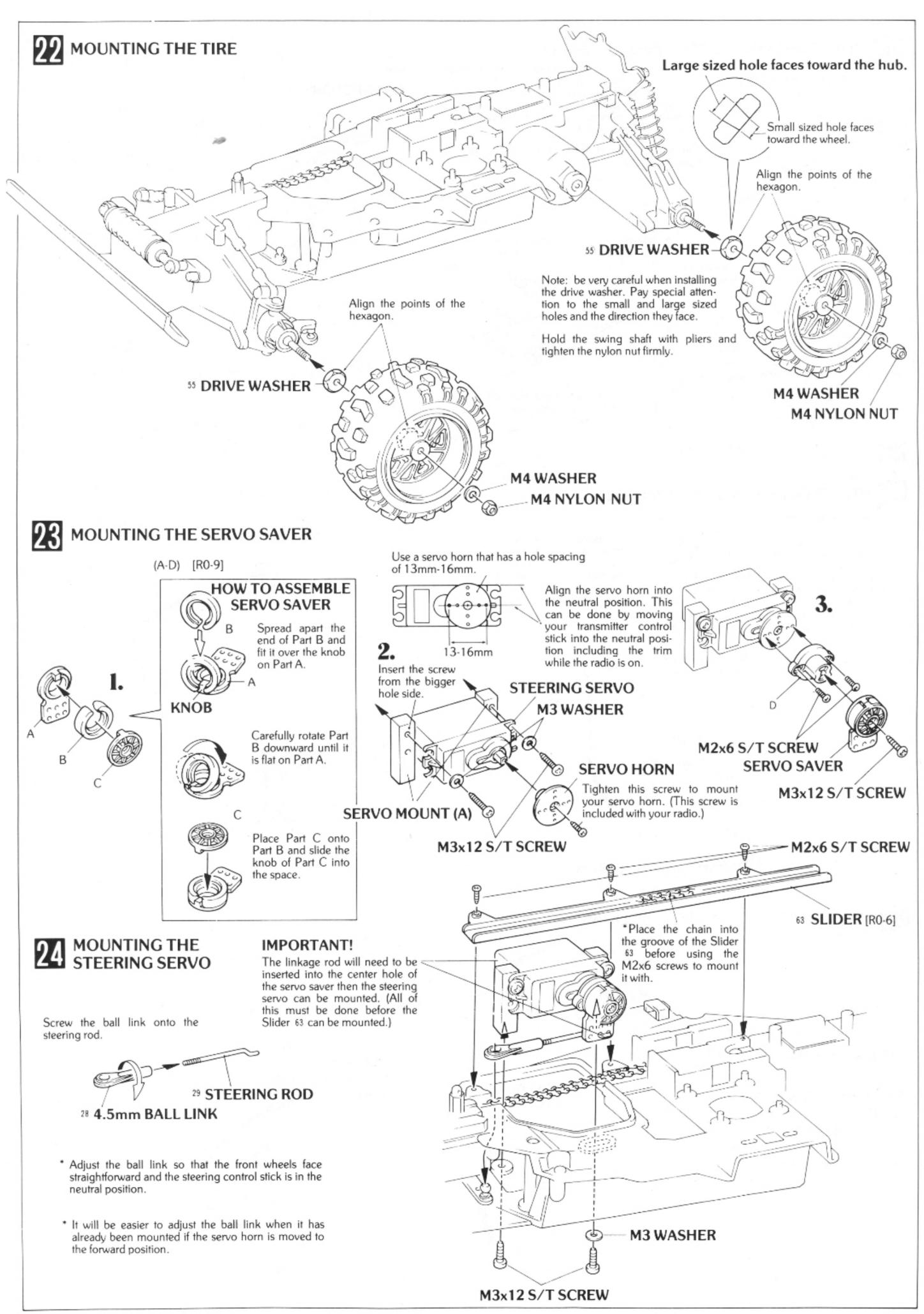


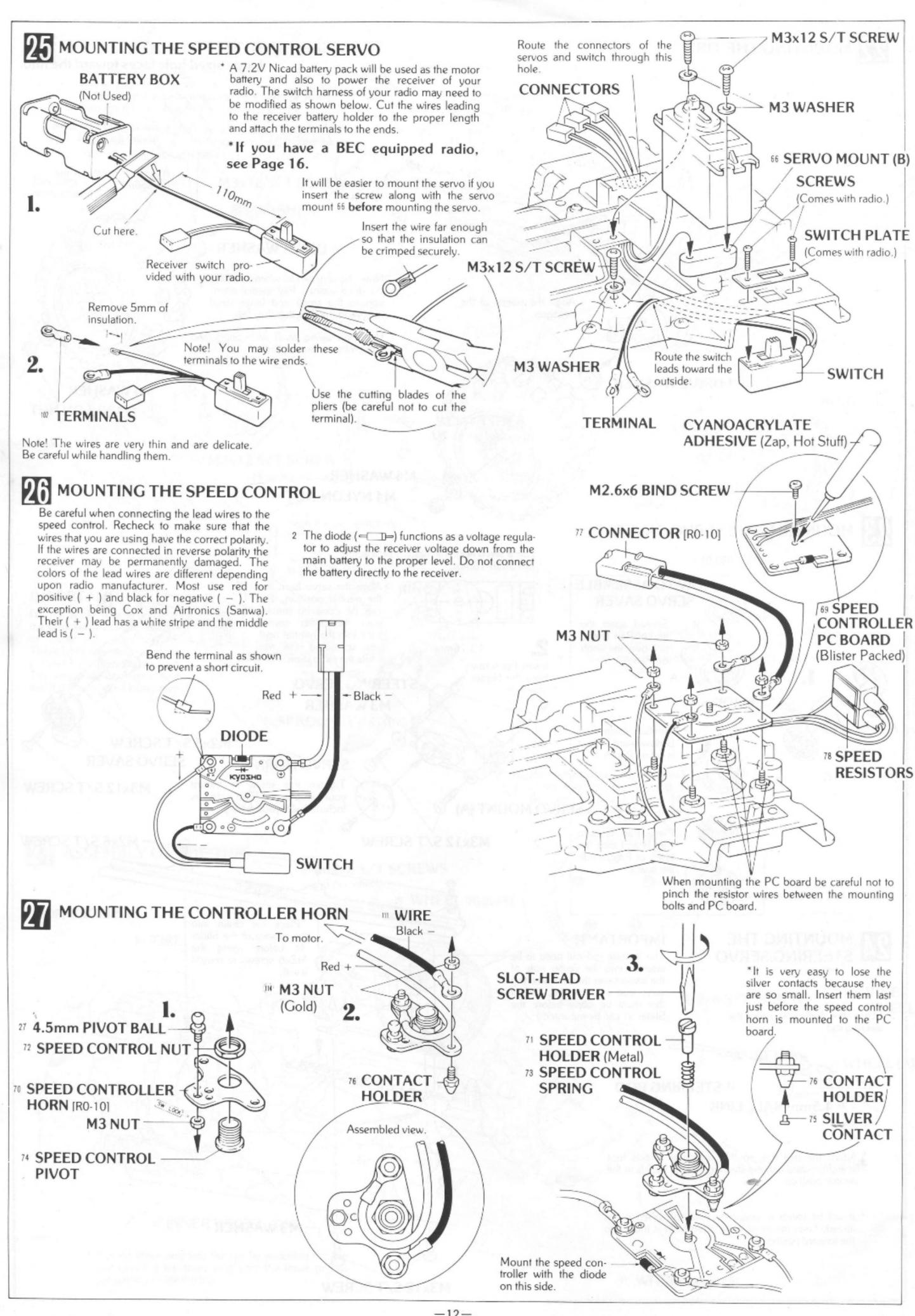


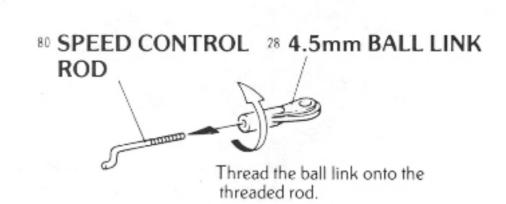


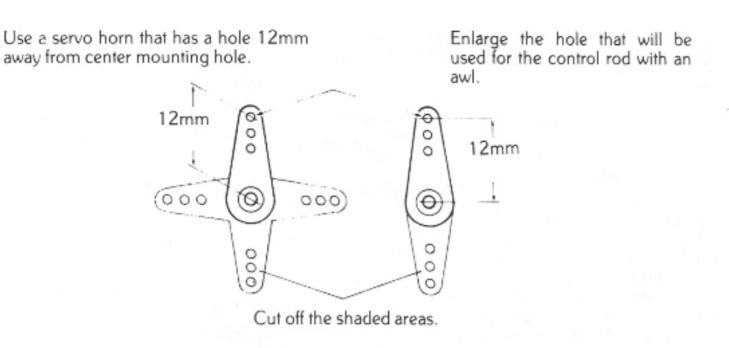


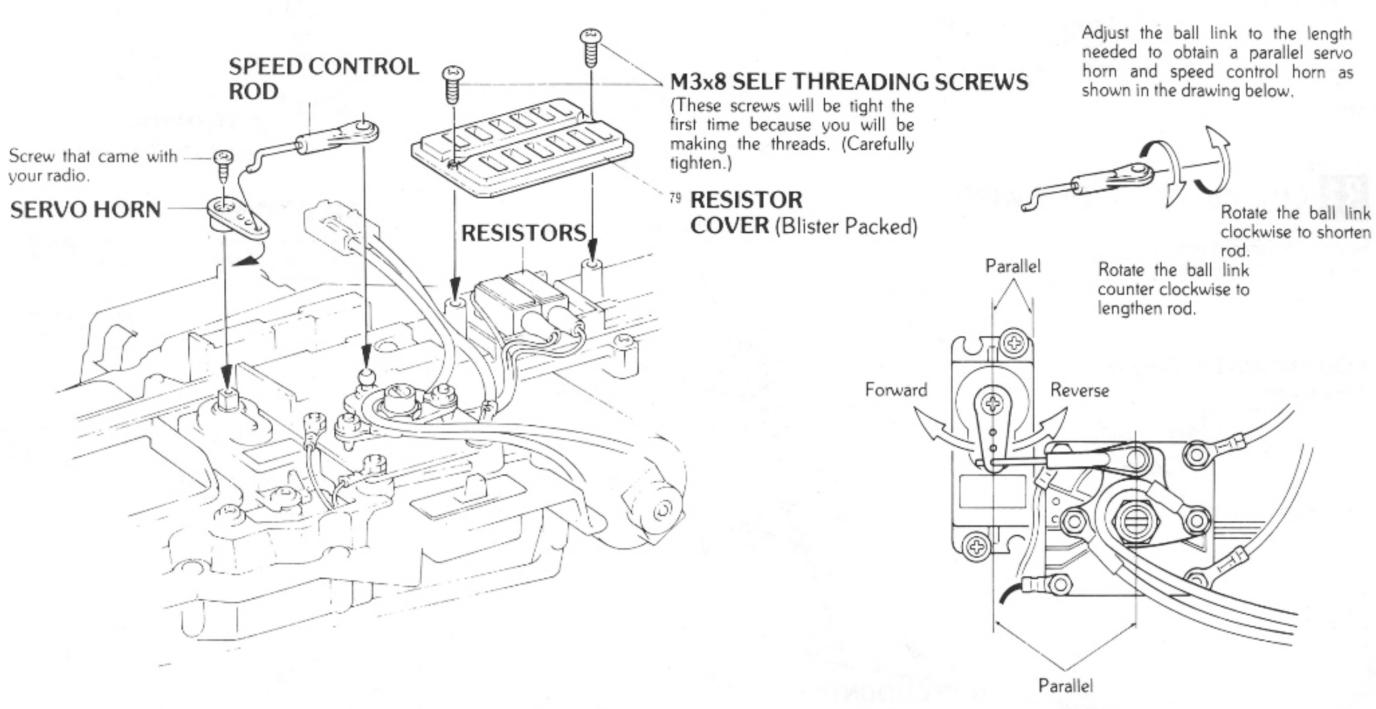


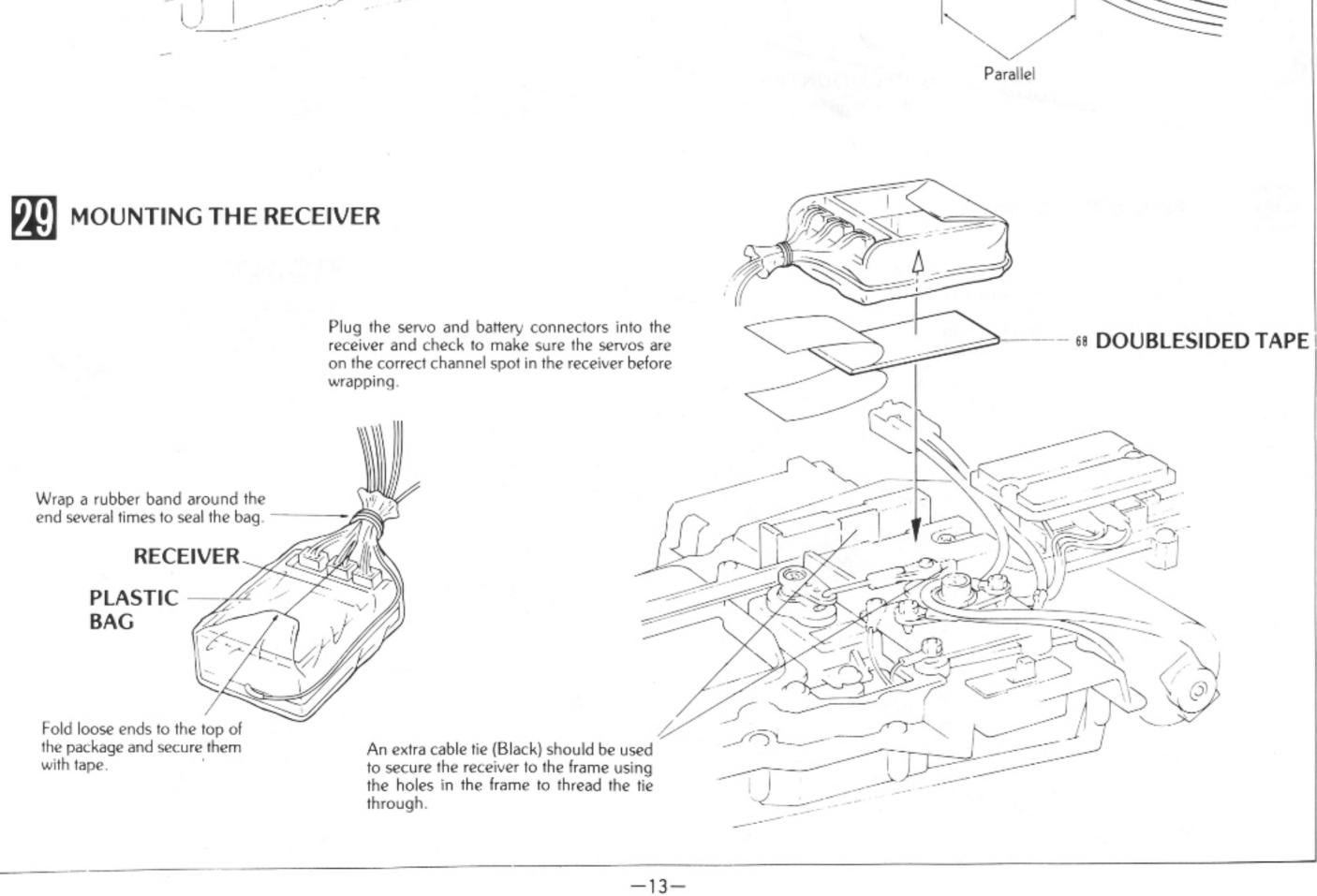


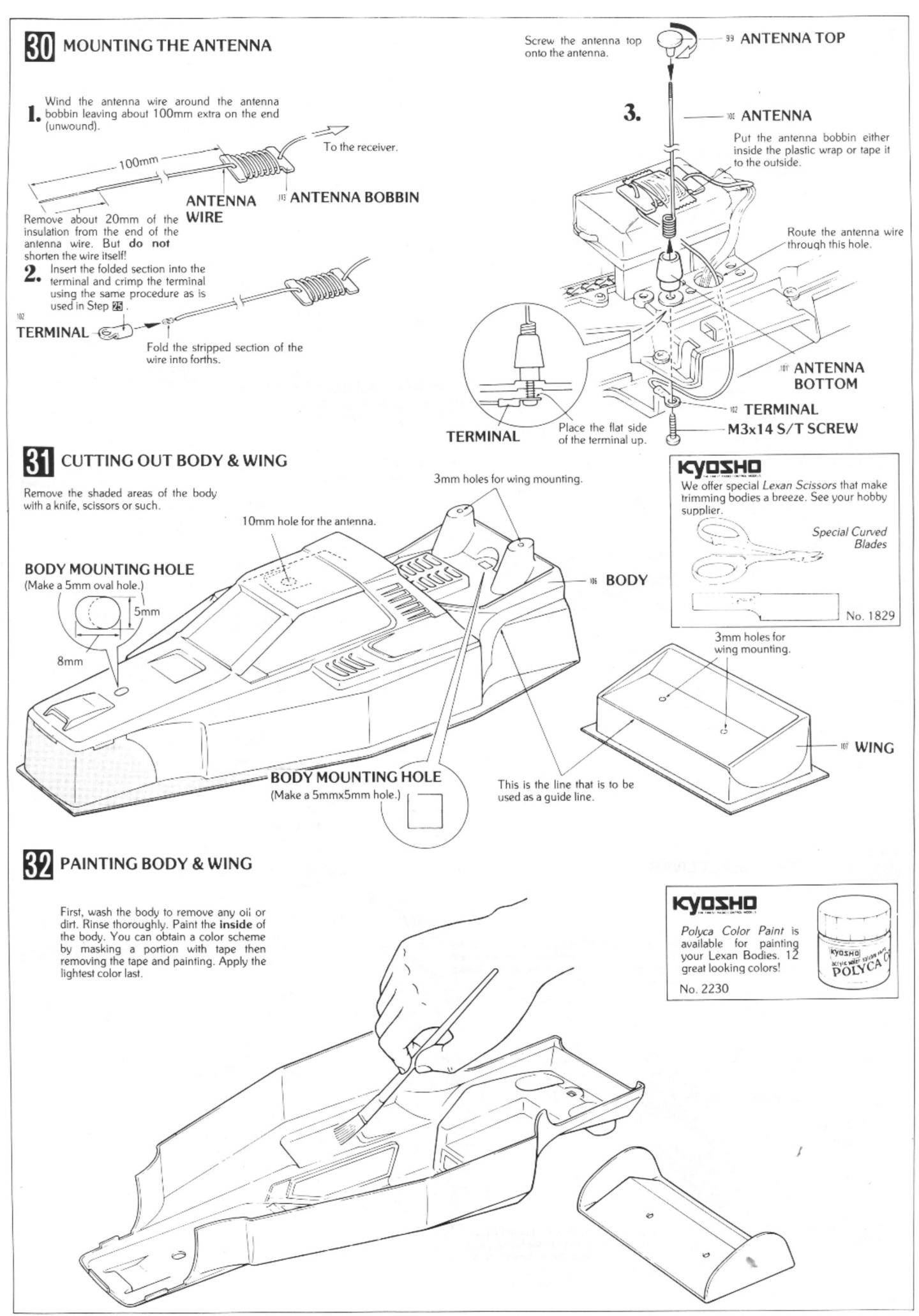


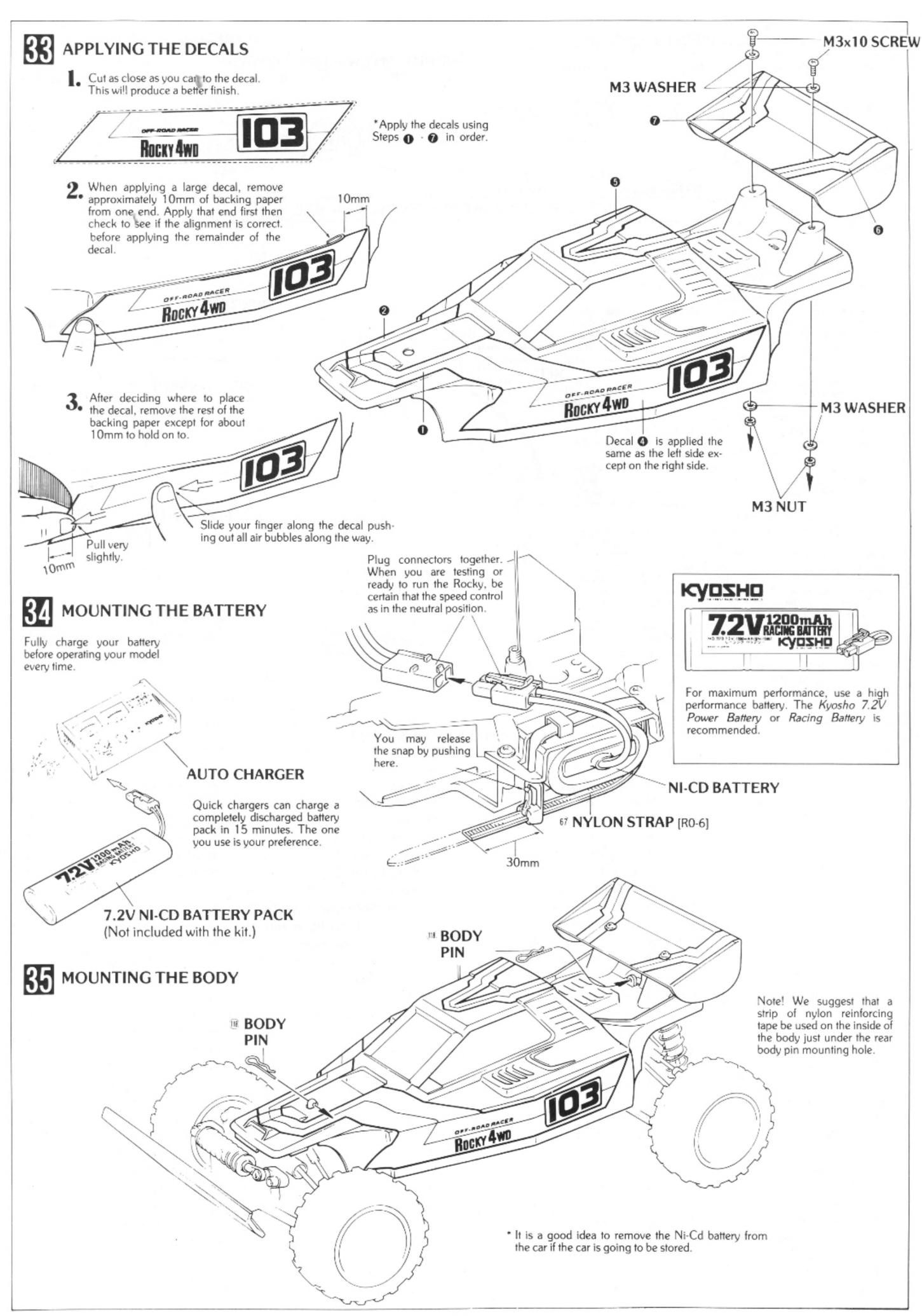


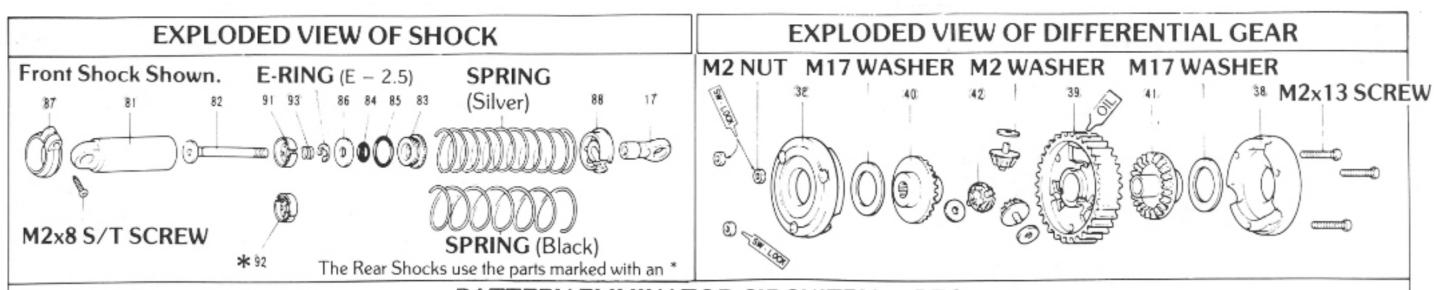












BATTERY ELIMINATOR CIRCUITRY - BEC

What is BEC? BEC stands for Battery Eliminator Circuitry, which is exactly what it sounds like, a circuit that eliminates the need for a receiver battery. In the United States, use of the BEC system in radios is not widespread so chances are that you do not have it. But if you do, then read on!

The actual BEC circuitry lies within the receiver of your radio, not in your car/buggy. Some car/buggies have circuits that do eliminate the need for a receiver battery. But most cars labeled "BEC EQUIPPED" simply include a BEC type connector that your radio's switch harness plugs into. Rocky allows both methods

The basic difference between the two is how much voltage goes to the receiver. A BEC type receiver can accept an input voltage of 7.2V and higher, depending on the state of charge of the 6-cell battery, which is where the receiver and servos get their power. In receivers other than BEC Equipped types the input voltage needs to be from 4.8V to 6V which is generally the voltage supplied by four "AA" batteries.

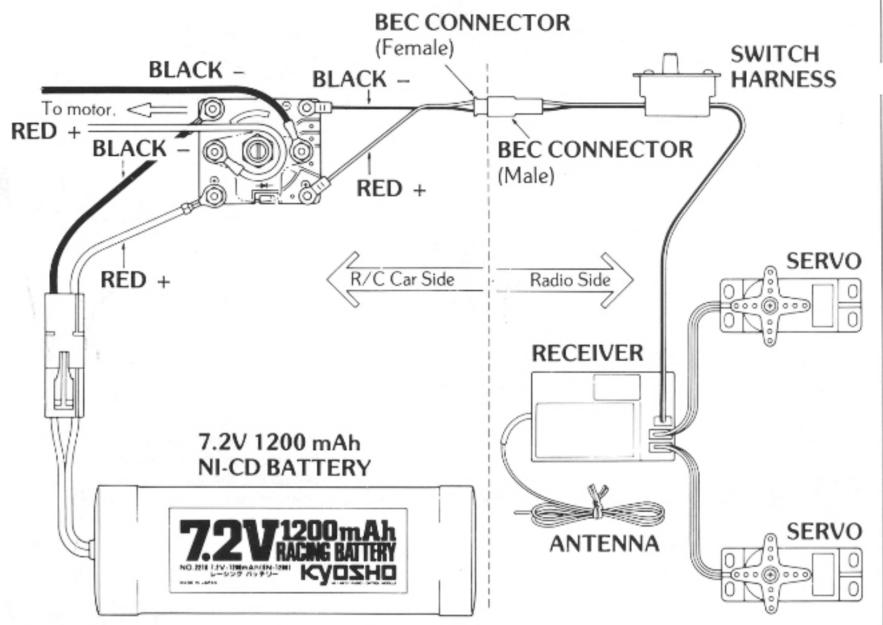
If your radio is not BEC Equipped you should use the method shown in Steps 25 and 26 to power your receiver. If your receiver is BEC Equipped, then you can use the BEC connector that is supplied with this kit. Your radio's switch harness has a matching BEC connector attached.

If the BEC connector is not already installed on the speed control, proper care should be taken when installing it. The polarity of the wires is very important and special attention should be given to get it correct. Remember to always connect Red (+) to Red (+) and Black (-) to Black (-). (Negative sides are not always black, sometimes they are white or other colors.) The BEC wires should be soldered on, where the battery wires go into the speed control.

Note, if polarity is reversed, even for an instant, permanent damage to your receiver could result. BE CAREFUL.

This diagram will help you in understanding the BEC system and how it is used on the Rocky.

For more information about the BEC system, contact your radio's manufacturer.



* Use Step 25 for installation of terminal ends on the BEC wiring connectors.

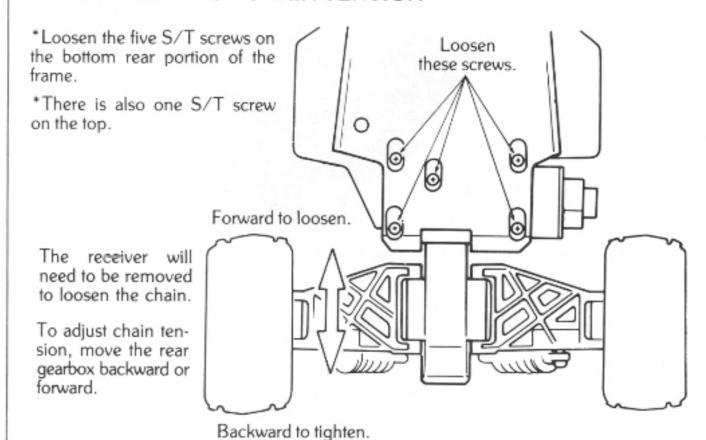
GUIDE TO KEY NUMBERS

(1	Front Bumper	31)	Frame	61)	Chain	91)	Shock Valve Front (5 Hole)
(2	Front Base	32	Rear Gear Box	62	Swing Shaft 4	-	Shock Valve Rear (6 Hole)2
(3	Front Gear Box	33	Rear Gear Box Cover		Slider	-	Valve Spring
(4	Front Gear Box Cover 1	34)	Side Cover	64	Chain Guide	_	Rubber Bushing
(5	Arm Bracket	35	Rear Suspension Arm 2	65	Servo Mount (A)		Wheel (A) 4
(6	Body Mount	36	Rear Hub		Servo Mount (B)		Wheel (B) 4
(7	Front Suspension Arm 2	37)	Rear Shock Stay	67)	Nylon Strap	-	Inner Wheel 4
(8	Arm Pin (45mm) 4	38	Differential Case 4		Double Sided Tape	-	Tire
(9	Arm Pin (30mm) 4	39	Differential Carrier		Speed Controller PC Board1		Antenna Top
(1	10	Front Hub (L)	40	Bevel Side Gear (A)	-	Speed Controller Horn 1	-	Antenna
1	11)	Front Hub (R)	(1)	Bevel Side Gear (B)	(71)	Speed Controller Holder Metal .1		Antenna Bottom
Ą	12)	Knuckle Arm (R)	42	Bevel Pinion Gear 6	(72)	Speed Controller Nut 1	_	Terminal
1	13)	Knuckle Arm (L)	43	Idle Gear (C)	(73)	Speed Controller Spring 1	(103)	Servo Saver 1 Set
ĵ	1	King Pin	4	Lock Pin 4	7	Speed Controller Pivot 1		Bushing (4mmx8mm)2
1	15	5.8mm Pivot Ball 4	43	Front Shaft	75	Silver Contact	_	Bushing (5mmx10mm)12
J	16	Upper Rod (30mm) 4	46	Idle Gear (A)	76	Contact Holder		Body
	17)	5.8mm Ball Link	1	Idle Gear (B) 1	1	Connector		Wing
į,	18)	Shock Stay (L)	48	Idle Shaft	78	3 Speed Resistor	_	Thickness Gauge
4	19	Shock Stay (R)	49	Counter Gear	79	Resistor Cover		Decal
0	20	Washer	50	Counter Shaft	80	Speed Control Rod	(10)	LeMans 240ST Motor 1
Ŷ	21	Ball Bearing (5mmx10mm)4	(51)	Sprocket (18T)	81)	Shock Cylinder	(11)	Rear Wire 1 Set
0	22	Center Arm	(52)	Sprocket (19T) 1	82	Piston	(112)	Shock Oil
0	23	Center Collar	53	Joint	83	Piston Guide	(113)	Antenna Bobbin 1
0	24	5.8mm-M3 Ball	54)	Front Wheel Shaft 2	84	O Ring	(14)	M3 Nut (Gold)
0	25)	Tie Rod	(55)	Drive Washer 4	85	Seal Ring	(115)	1.5mm Allen Wrench 1
	_	5.8mm Ball	56	Rear Wheel Shaft	86	Washer	(16)	BEC Connector
0		4.5mm Pivot Ball	57	Pilot Shaft	87)	Spring Holder (B)	(117)	Screw Locking Compound 1
0	-	4.5mm Ball Link	(58)	Pinion Gear (14T)	88	Spring Holder (A)	(118)	Body Pin
. 0	-	Steering Rod	59	Motor Base	89	Spring (Front)	(119)	Joint Spring
(30	Deck Plate	60	Base Plate	90	Spring (Rear)		

BASIC ADJUSTMENT GUIDE FOR THE OFF-ROAD RACER ROCKY 4WD

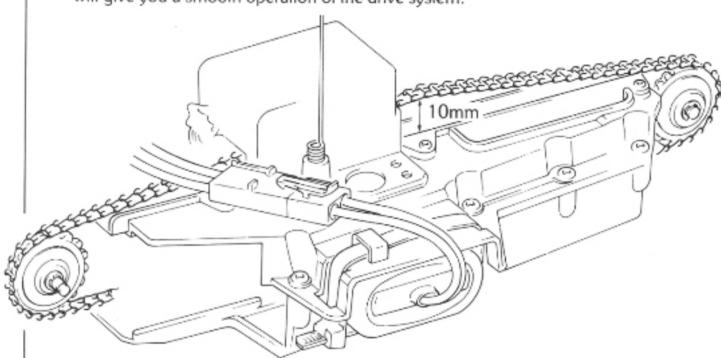
When the Rocky is assembled you will need to adjust or check the adjustment of the following items:

ADJUSTMENT OF CHAIN TENSION



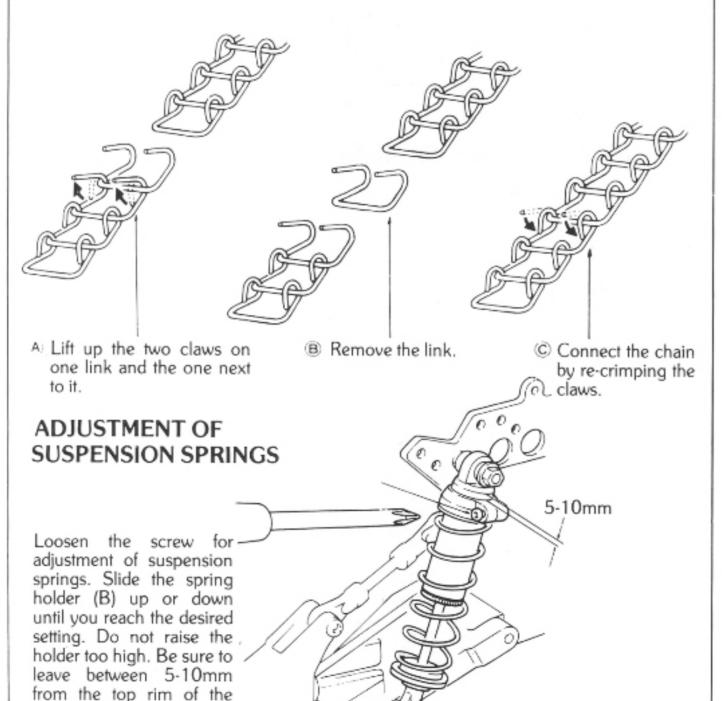
THE IDEAL CHAIN TENSION

Set the chain tension so that it can be lifted 10mm at the center of the slider. This will give you a smooth operation of the drive system.



If the chain is too tight, it will decrease the power output and shorten the run time. It may also cause motors and speed controls to overheat. If the chain is too loose, it will flop around and not deliver as much power as it should.

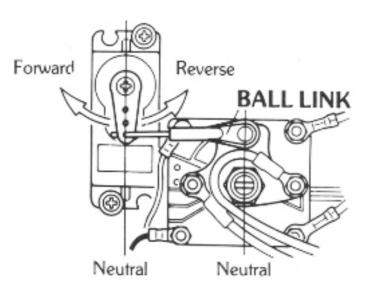
During use, the chain will loosen up. This is normal and can be expected. Check the tension from time to time. When the chain has been stretched beyond adjustment, remove one link out of the chain and readjust the tension.



shock cylinder.

ADJUSTMENT OF SPEED CONTROLLER

Plug in the 7.2V Battery Connectors and operate the throttle. Adjust the linkage until the servo horn is parallel to the speed control horn.

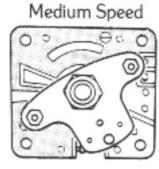


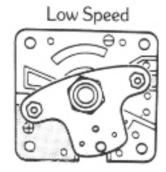
Place a small box under the frame to keep the wheels off the ground while adjusting the speed control.

ADJUSTMENT OF HIGH SPEED

When the throttle is fully advanced the controller should activate the motor at high speed. By listening to the motor, you should be able to tell what speed the motor is at.

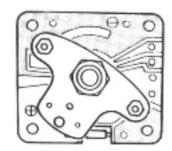


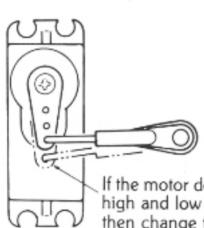




② ADJUSTMENT OF LOW SPEED

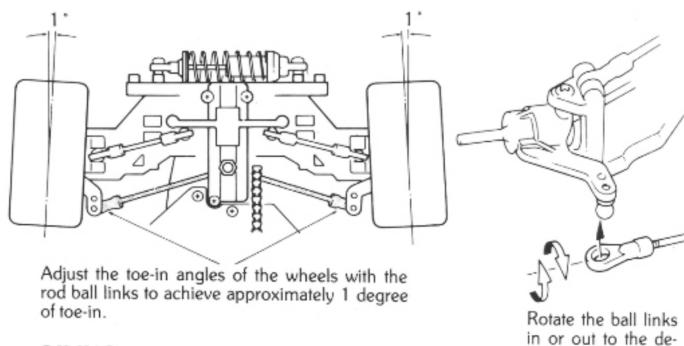
When the throttle is fully retarded motor should run in reverse.





If the motor does not run in both high and low speed and reverse then change the control horn to a larger one to achieve enough movement.

TOE-IN ADJUSTMENT



OILING

1 Applying a small amount of light oil such as Frontier Hobby Oil to the shafts, bearings and ball joints. Wipe off any excess oil with a cloth. Do not use heavy oil or grease as this type attracts and retains mud and dirt while running the car.





(2) Do not oil the speed controller directly. This may short circuit your speed control and cause damage. If you feel the speed controller needs lubrication, wipe the PC Board with a cloth lightly dampened with oil.

Do not apply directly to the speed controller.

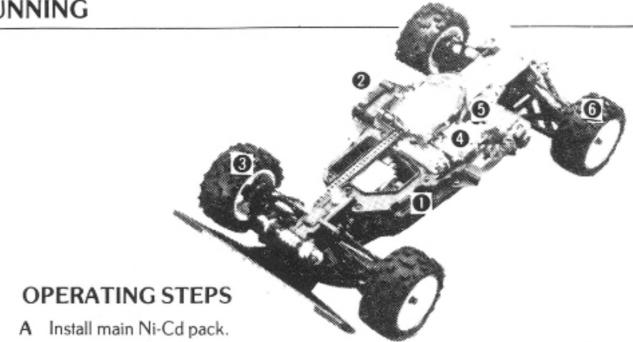
sired length.

SPEED CONTROLLER

CHECKING BEFORE RUNNING

Before running the car, check the parts in order using the picture as a reference.

- ★ On the first time, operate the car slowly. Check to make sure the car is operating correctly. Look for nuts, screws and bolts loosening up and tighten as necessary.
- Check to see if all nuts and bolts are securely tightened.
- 2 Check to see if the batteries for the transmitter, receiver and motor are fully charged.
- 3 Check to see if the front wheels steer in the direction that the transmitter control stick is moved.
- 4 Also check the forward and reverse controls to see if they properly work in the correct directions.
- Make sure all wires are properly insulated with all wiring routed that it will not get caught or rub on any moving parts.
- 6 Check to see that the rear and front wheels can easily be turned by hand.
- ★ The receiver battery and servos in Rocky are powered from the same battery which drives the motor. If the car slows down considerably, stop the car and turn off the receiver. If you continue to run the car, the battery will get so low on power that you will lose control of it.



- B Turn transmitter switch to the on position.
- C Turn the receiver switch to the on position.
- D Check to make sure the controls work in the proper directions. (Right and left, forward and reverse.)
- ★ When turning off the switches, turn off the receiver switch before the transmitter switch. This will keep the speed control from jumping in to forward or reverse if the transmitter was turned off before the receiver.

TIPS FOR RUNNING ROCKY

STEERING ADJUSTMENTS

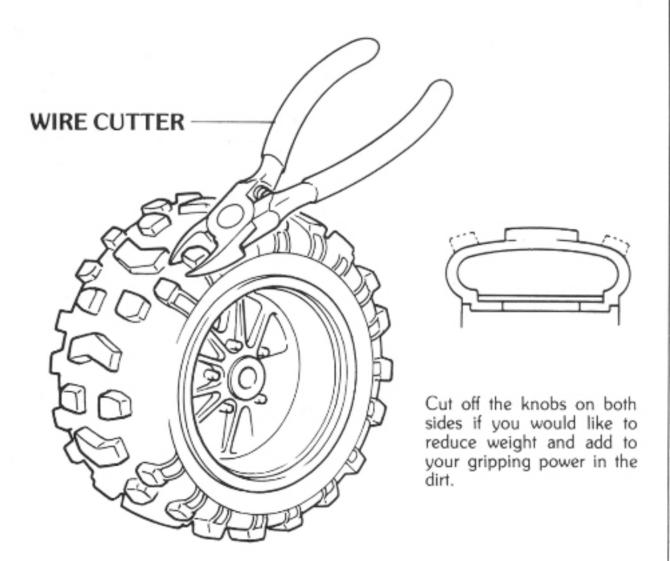


- ① If the car has the tendency to wander without any inputs from you, check these items:
- Increase the toe-in for more stable tracking.
- Check all steering linkages for looseness and correct if necessary.
- 2 If the car is uncontrollable and spins out.
- Again, check the linkage. Any looseness or stiffness will reduce the performance of steering response.
- Check the steering throw of the wheels (reduce the amount).

importan reduce. T on the re

TIRES

The #RK-15 Tires are designed as an all-around tire. The side knobs are very important in regard to the traction. When they become worn, the traction is reduce. To increase the traction remove the side knobs. This puts all of the power on the remaining center knobs for more "bite".

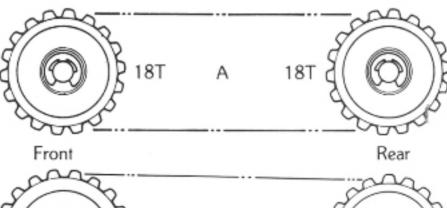


ALTERING FRONT TO REAR POWER BIAS

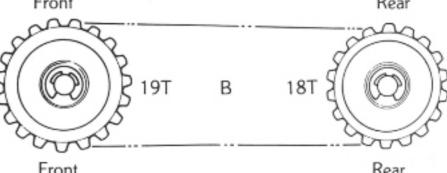
Front

To alter the traction between the front and rear tires, you can change the size of the sprockets.

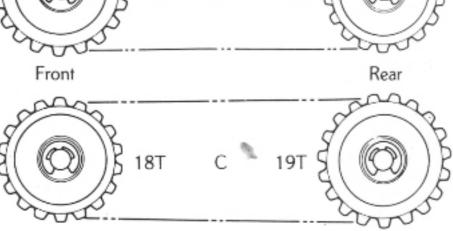
Normal: Front and rear turn at the same rate.



B. Rear wheels have slightly more power.



 C. Front wheels have slightly more power.

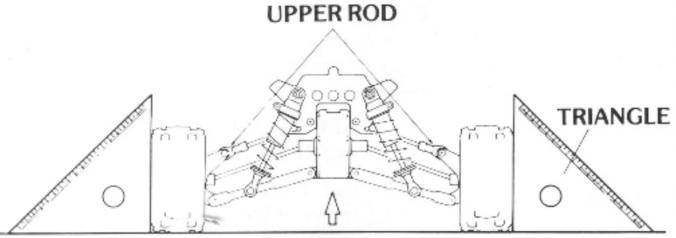


Rear

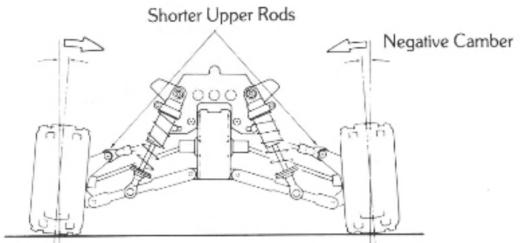
If the car has a tendency to be very sensitive to your steering inputs, reduce the amount of steering throw until you get used to it. Also, you might notice that if you slow down your speed, the car will turn sharper than at a high speed. With some practice, you will be able to judge just how much speed and steering input you will need to round the corners.

CAMBER ADJUSTMENT

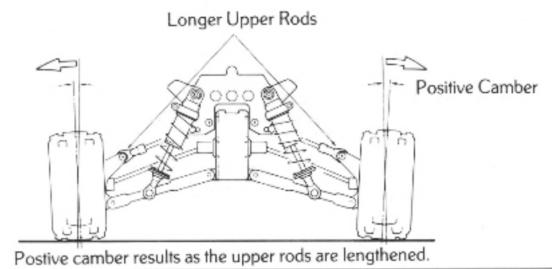
Note: make this adjustment with the car at full racing weight (i.e. battery, radio equipment and body installed).



Place the car on a flat surface with the chassis raised as high as necessary and adjust the length of the upper rod in such a way that the tires stand at right angles to the ground.



Negative camber results as the upper rods are shortened.



WARNINGS BEFORE RUNNING THE CAR

The electric R/C car powered by a highly efficient Ni-Cd battery runs unexpectedly fast. So great care is required when you handle the car and the battery so drive carefully.

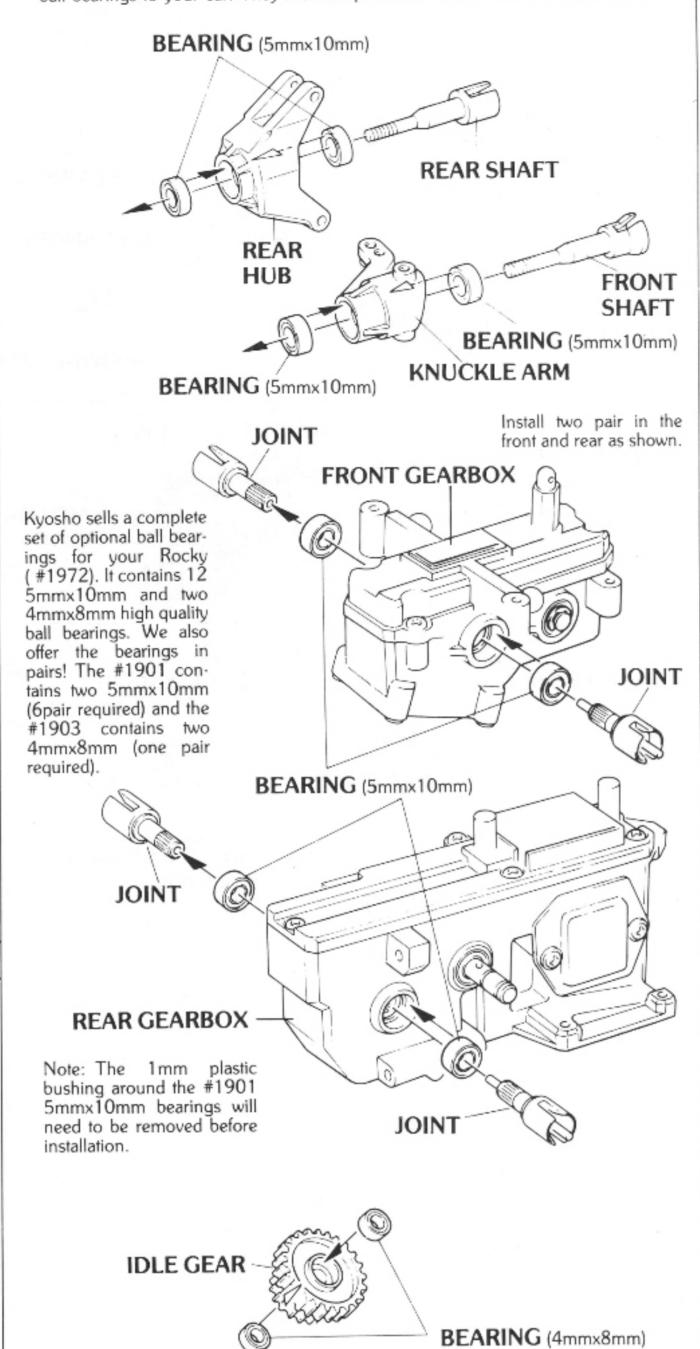
- Do not run the car in a crowd or in the street.
- Check the frequency bands for someone else also trying to run their car at the same time with you. Radio control systems on the same frequency will interfere with each other and cause them to go out of control.
- If your car suddenly stalls, or is caught up in some obstacle, do not try to make the car go further. It may result in burning the motor or wiring or damage the speed controller.
- Do not try to hold the rotating wheels forcibly. This may also cause damage.
- When connecting the Ni-Cd battery, be sure that the speed controller is in the neutral position.
- Any binding or drag on the bearing portion of the driving system imposes a heavy load to the motor and battery, thus causing overheating of the components or that the car does not gain speed. So check to see always if the driving system will turn smoothly. Application of oil is also very important.
- With those cars which have only one battery powering both the motor and the radio control units, the cars come to be out of control as the battery voltage is being dropped down. So whenever you will find your car losing speed, stop running the car.

HANDLING THE MOTOR

- The motor will become hot while running. Let the motor cool down before running it again. This will help the motor last longer.
- After several runs of the car, the motor may lose some power. This is caused from a carbon build up from the brushes and commutator of the motor. If it happens, remove the pinion gear and run the motor without load for a few minutes.
- Oil the bushings of motor periodically.

OPTIONAL BALL BEARINGS

The single most important improvement you can make on your Rocky is adding ball bearings to your car. They increase performance and reduce maintenance.

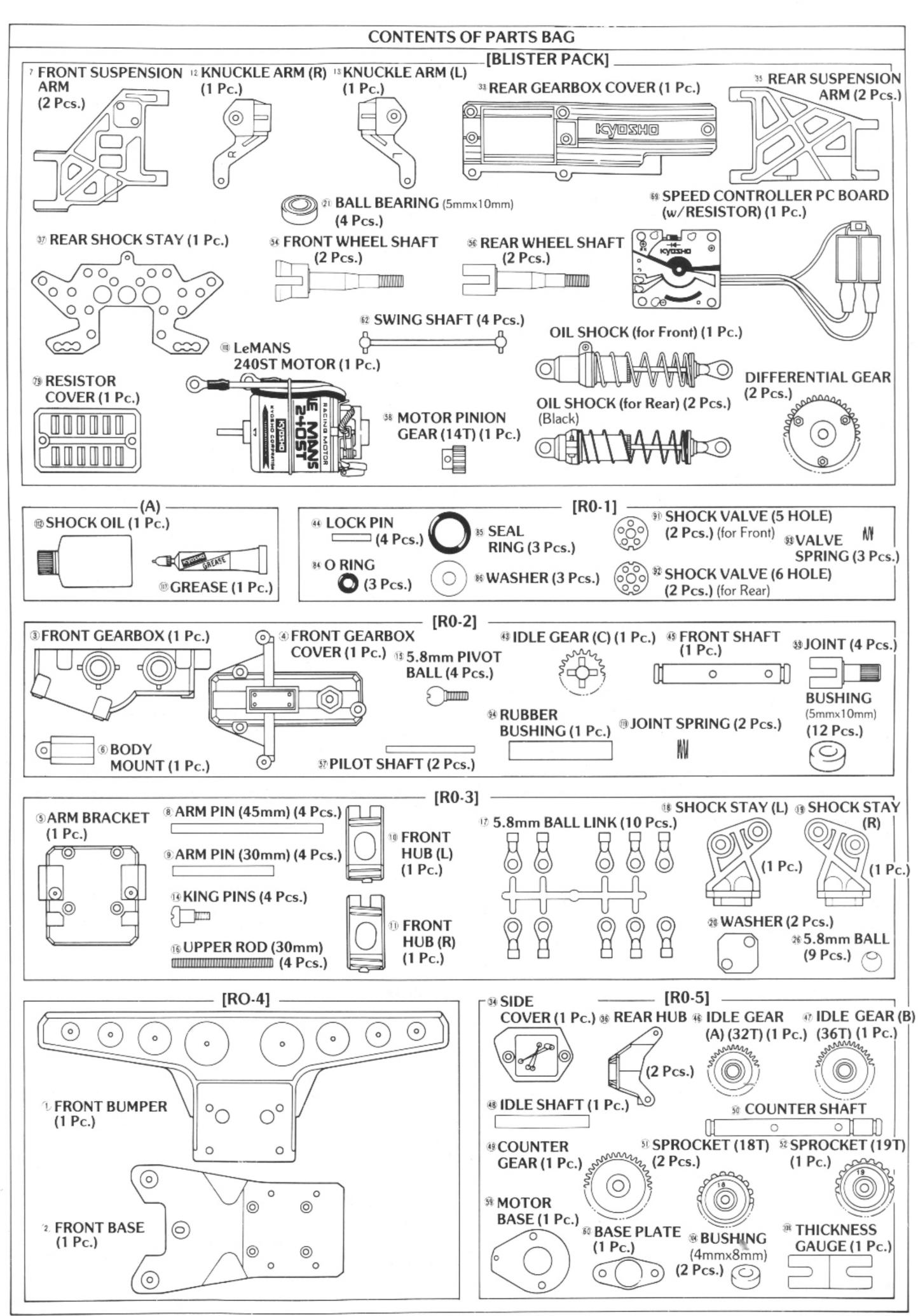


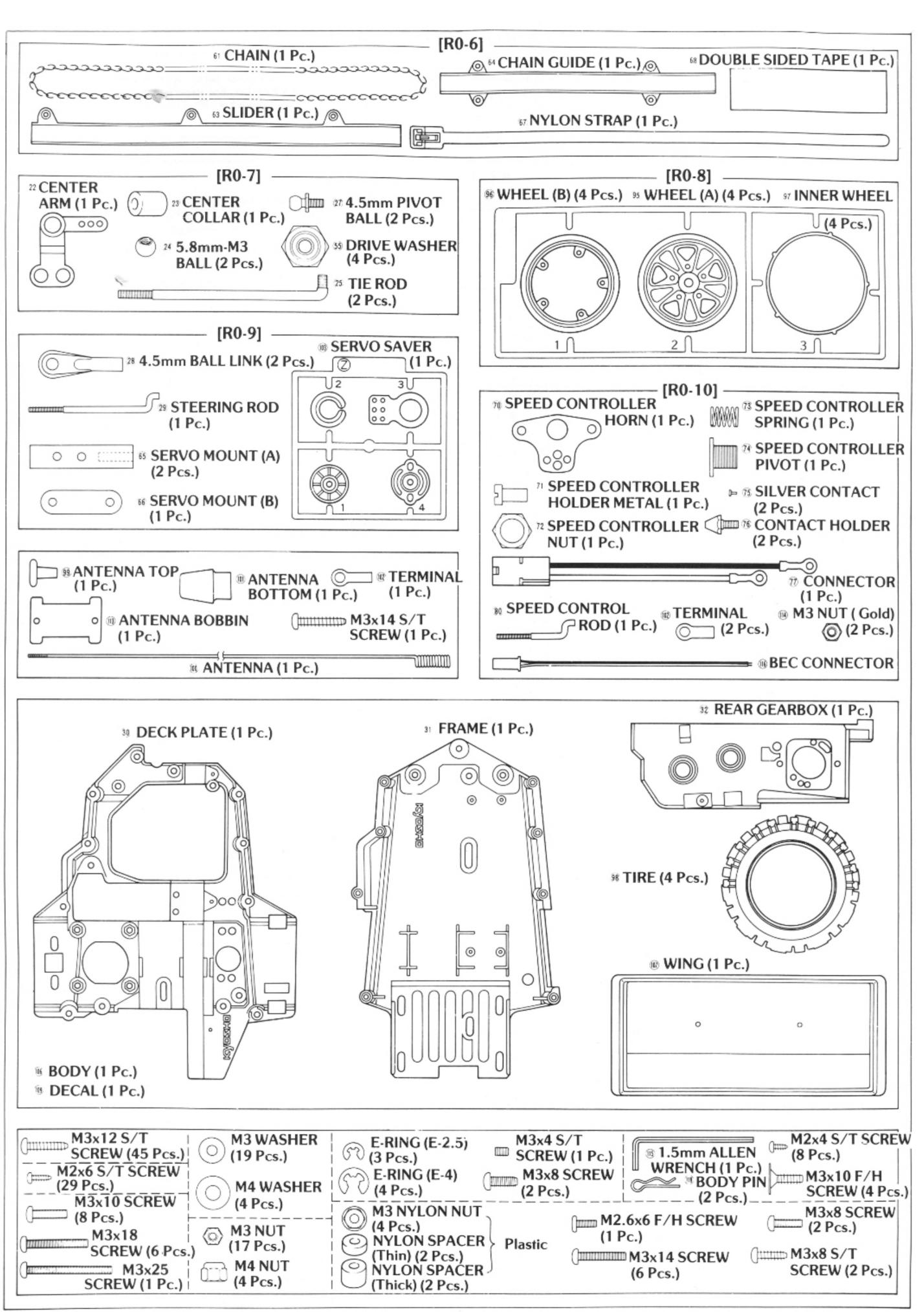


The motors listed below show the gear ratio range for which they be best suited. In the Rocky kit the gear ratio can be changed by both the pinion gear and by changing the gear depending on the gear you choose (the 32T or the 36T). This will change your ratio.

(Use the chart below as a reference.)

Pinion Gear	15T	14T	15T	13T	14T	12T	13T	12T
Idle Gear	32T	32T	36T	32T	36T	32T	36T	36T
Gear Ratio	9.0	9.6	10.1	10.3	10.8	11.2	11.6	12.6
LeMans 240S								
LeMans 240SB								
LeMans 360PT								
LeMans 360 Gold					•			
LeMans 480S	- Ut-k							· · ·
LeMans 480S Speed	High Speed		1		1		_	Low



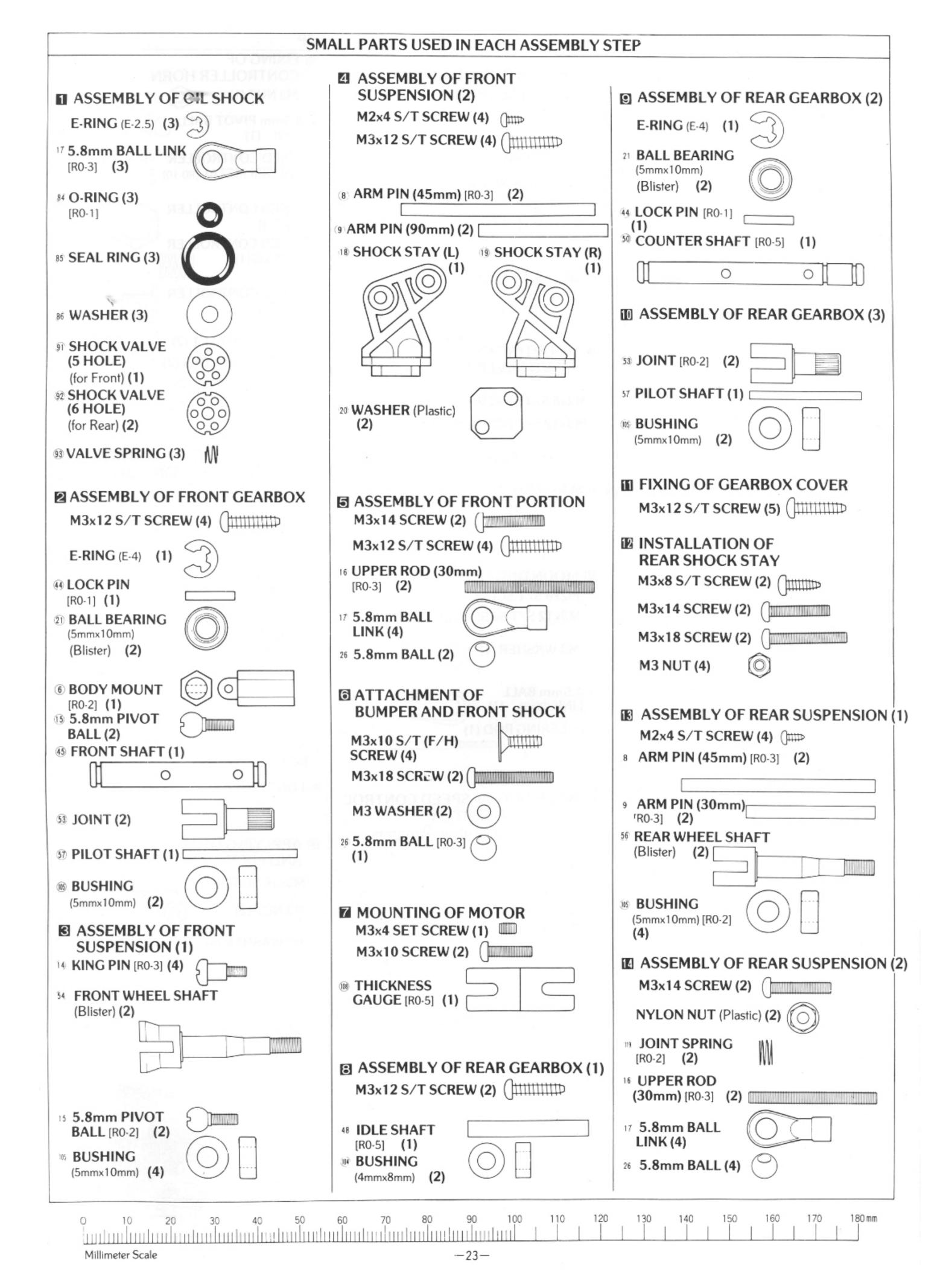


PURCHASING PARTS FOR YOUR KIT

You can purchase replacement and optional parts for your kit. All of the parts identified by key numbers (see page 16 for a complete list) are usually not available singularly, but we offer these parts in convenient parts "packs" which can be purchased separately. To figure out which parts pack you need, find the key number for that part within the

manual. Then consult our parts pack guide, below. When referring to the parts you need, always use the **Parts Pack Number**. For instance, if you need a Counter Shaft (Key #50) ask your dealer for Kyosho Parts Pack RK-25 (Shaft Set).

Number	Parts Name	Key Number and Consisting of
RK-01	Front Bumper	1 x 1
RK-02	Wheel Set	95 96 97 × 2
RK-03	Differential Gear Set	39 40 41 × 2 38 × 4 42 × 6
RK-04	Front Gearbox	③ × 1 ④ × 1
RK-05	Plastic Parts Set	2 5 6 22 23 66 108 × 1 65 × 2
RK-06	Suspension Arm Set	18 19 × 1 7 20 35 × 2
RK-07	Knuckle Arm Set	12 13 × 1 14 × 2
RK-08	Deck Plate	30 × 1
RK-09	Frame	31 × 1
RK-10	Hub Set	10 10 × 1 36 × 2
RK-11	Ball Link Set	29 80 × 1 24 25 27 × 2 15 16 28 × 4 17 26 × 8
RK-12	Rear Gearbox Set	32 33 34 59 60 79 × 1
RK-13	Gear Set	43 46 47 49 52 58 × 1 51 × 2
RK-14	Slider Set	63 64 × 1
RK-15	Tire Set	98 × 2
RK-16	Shock Set	89 94 × 1 90 91 92 × 2 81 82 83 84 85 86 93 × 3 17 87 88 × 4
RK-17	Body (Rocky)	16 10° × 1
RK-18	Bushing Set	₩ × 2 № × 12
RK-19	Chain	61 × 1
RK-20	Swing Shaft	62 × 2
RK-21	Joint	57 × 1 53 119 × 2
RK-22	Front Wheel Shaft	50 × 2
RK-23	Rear Wheel Shaft	56 × 2
RK-24	Drive Washer	55 × 4
RK-25	Shaft Set	45 48 50 × 1 8 9 44 × 4
RK-26	Rear Shock Stay	③⑦ × 1
RK-27	Screw Set	1 Set
RK-28	Servo Saver Set	(®) × 1
RK-29	Decal	® × 1
1885 PC 40	Antenna Set	99 (0) (0) (0) (1) × 1
PG-40	Speed Controller Set	69 70 71 72 73 74 78 × 1 75 76 M2 10 × 2
PG-41	Speed Controller PC Board (w/Diode)	69 × 1 ® × 2
PG-42	Contact Set	76 × 2 75 × 4
PG-43	Connector, Lead Wire Set	⑦ ⑩ × 1
PG-52	3 Speed Resistor	78 × 1
EF-039 SC-046	Nylon Strap	67 × 1
EP-22	Double Sided Tape	68 × 1
1901	Body Pin Rall Regging (5-mmy 10-mm)	10 × 5
1901	Ball Bearing (5mmx10mm)	21 × 2
tili		OPTIONAL PARTS
1903	Ball Bearing (4mmx8mm)	2 Pieces
1972	Complete Bearing Set for Rocky 4WD	5mmx10mm (12 Pieces), 4mmx8mm (2 Pieces)
OT-23	Pinion Gear (12T)	Gear Ratio 4.8-12.93
OT-50	Pinion Gear (13T)	Gear Ratio 4.8-12.93
OT-24	Pinion Gear (15T)	Gear Ratio 4.8-12.93
SC-080	4 Speed Resistor	3 resistors for 4-speeds
W-5002	Pressure Oil Shock (L)	2 Pieces
W-5021	Large Size Wheel	2 Pieces
W-5031	Low Profile Tire (for Hard)	2 Pieces
W-5032	Low Profile Tire (for Soft)	2 Pieces
LM-15	Cooling Plate	For LeMans Motor
1951	Shock Oil Set (S. M. H.)	Soft, Medium, Hard
1863	Sponsor Decals	2 Sheets of numbers, letters and brand names
LM-100	Ball Bearings for Motor	2 pieces
SC-040	Rubber Motor Boot	



SMALL PARTS USED IN EACH ASSEMBLY STEP									
III INSTALLATION OF REAR SHOCK	20 FABRICATION OF TIRE	7 FIXING OF CONTROLLER HORN							
M3x18 SCREW (2)	M2x6 S/T SCREW (20)	M3 NUT (1)							
NYLON NUT (Plastic) (2)		27 4.5mm PIVOT BALL [R0-7] (1)							
COLLAR (Plastic, Thicker) (1)	MOUNTING OF TIRE	71 SPEED CONTROLLER HOLDER METAL [R0-10]							
COLLAR (Plastic, Thinner) (1)	M3 NYLON NUT	72 SPEED CONTROLLER							
26 5.8mm BALL [R0-3] (2)	M4 WASHER (4)	NUT (1) 73 SPEED CONTROLLER							
MOUNTING THE FRAME AND DECK PLATE	55 DRIVER WASHER [R0-7]	SPRING (1) 74 SPEED CONTROLLER							
M2x6 S/T SCREW (4) (####		PIVOT (1)							
M3×10 SCREW (4)	28 MOUNTING OF	75 SILVER CONTACT (2) □							
M3 NUT (4)	SERVO SAVER MOUNT	76 CONTACT HOLDER (2)							
	M2x6 S/T SCREW (2)	19 M3 NUT (Gold) (2)							
M3x12 S/T SCREW (10)	M3x12 S/T SCREW (3)								
MOXIZ SY I SCILLW (10) CHITTITED	M3 WASHER (2)	FIXING OF SPEED CONTROL ROD AND RESISTOR COVER							
EINSTALLATION OF FRONT PORTION	65 SERVO MOUNT O O [M3x8 SELF THREADING (2)							
M3x12 S/T SCREW (4)	(A) [NO-9] (Z)	28 4.5mm BALL LINK [R0-9] (1)							
TO LIVING OF CENTED ADM		80 SPEED CONTROL ROD							
M3x25 SCREW (1)	MOUNTING OF STEERING SERVO	[RO-10] (1)							
M3 WASHER (1)	M2x6 S/T SCREW (3) (##### M3x12 S/T SCREW (2) (##################################								
17 5.8mm BALL LINK [R0-3] (2)	M3 WASHER (1)	M3x14 S/T SCREW (1)							
23 CENTER COLLAR [R0-7] (1)	28 4.5mm BALL LINK [R0-9] (1)	99 ANTENNA TOP (1)							
24 5.8mm-M3 BALL (2)	29 STEERING ROD (1)	® ANTENNA							
25 TIE ROD (2)		BOTTOM (1)							
	MOUNTING OF SPEED CONTROL SERVO AND SWITCH	LUG TERMINAL							
27 4.5mm PIVOT BALL (1)	M3×12 S/T SCREW (3)	APPLYING DECALS							
10 INSTALLATION OF REAR PORTION	M3 WASHER (3)	AND FIXING WING							
M3x8 SCREW (2)	66 SERVO MOUNT (B)	M3x10 SCREW (2)							
M3x12 S/T SCREW (4)	[R0-9] (1) TERMINAL [R0-10]	M3 NUT (2)							
M3 NUT (2)	(2)	M3 WASHER (4)							
M3 WASHER (6)	MOUNTING OF SPEED CONTROLLER								
E-RING (E-4)	M2.6x6 P/H SCREW (1)	MOUNTING OF BODY							
** LOCK PIN [R0-10]	M3 NUT (4)	BODY PIN (2)							
SUGGESTED FURTHER READING COMPLETELY CARS CARS									
	1								

A wealth of hints, tips and general information about R/C cars is available at your favorite hobby store. We suggest the "Completely Cars" book by Harry Higley which is packed with hundreds of photos and great "Tech-Tips". "R/C Car Action" a magazine published quarterly by Air-Age Publications will keep you on top of all the latest developments in the R/C car hobby.



