

IWAVER

Instruction Manual Content

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1 SAFETY PRECAUTIONS



CAUTION!

Please read the entire Iwaver instruction manual before running.
Please treat Iwaver with care as it is not a toy.

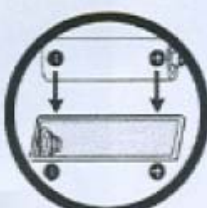


Please keep Iwaver out of reach of children as it contains small parts.

Please handle cutters, knives, and screwdrivers with care.



Please only use recommended batteries. Do not install batteries with reverse polarity or disassemble batteries.



Please do not run multiple radio control vehicles under the same frequency.



Please do not touch gears while Iwaver is running.



Please do not store or run Iwaver in extreme hot, cold, or humid conditions.



Please do not run Iwaver in dirt, gravel, or when wet.



NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

1 SAFETY PRECAUTIONS



Please do not run Iwaver on public roads or crowded areas.

Please do not touch batteries and motor of Iwaver after running, only handle after it has cooled down.



Please turn off radio/car and remove batteries when not using Iwaver.

Please turn off car and remove batteries when repairing or modifying Iwaver.



Do not wave the transmitter as it may cause injury to other people.

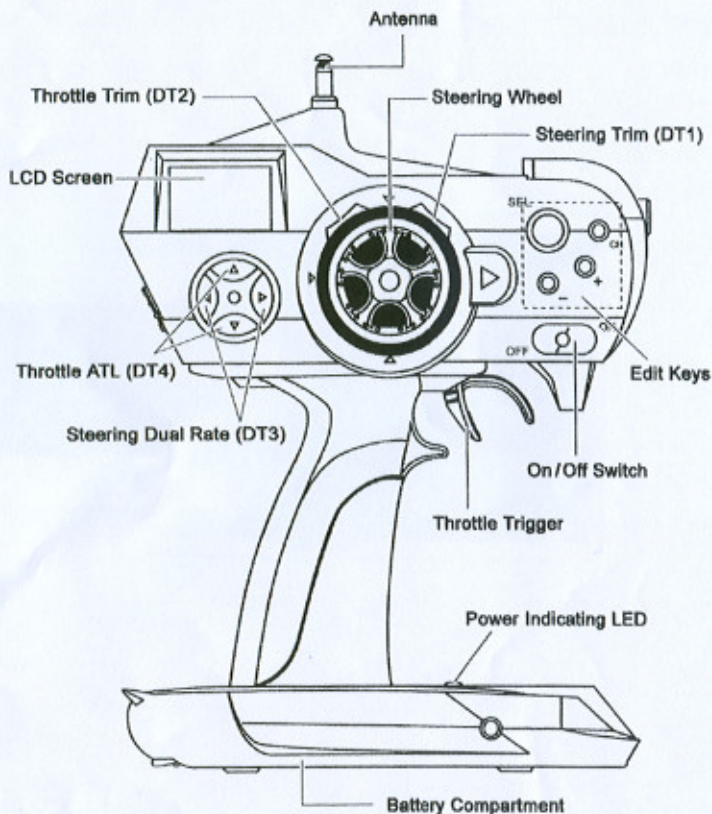
Wipe your Iwaver with a clean cloth. Do not use water, alcohol or thinner on your car or its body.



Please use only Iwaver replacement and optional parts.

2 FEATURES

Transmitter

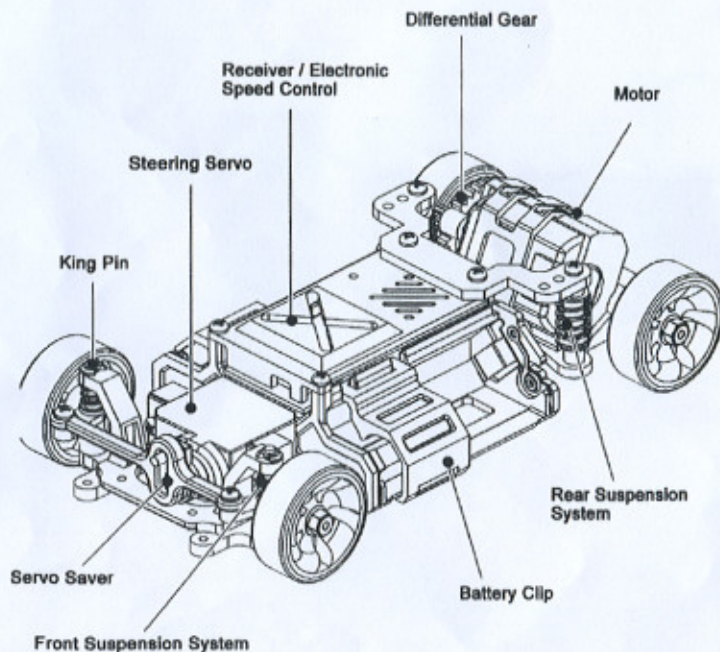


* The transmitter features pictured above are shown in the initial setting position, please refer to the transmitter's instruction for more information.

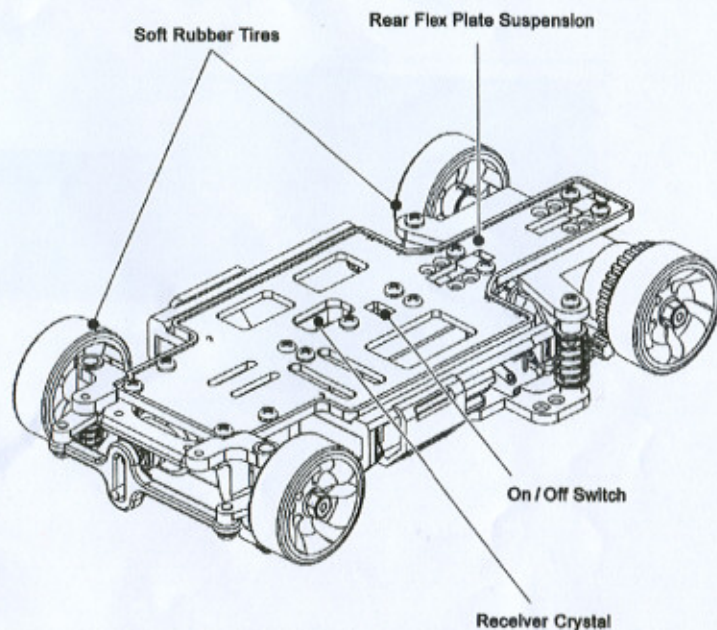
2 | FEATURES

Chassis

Top View



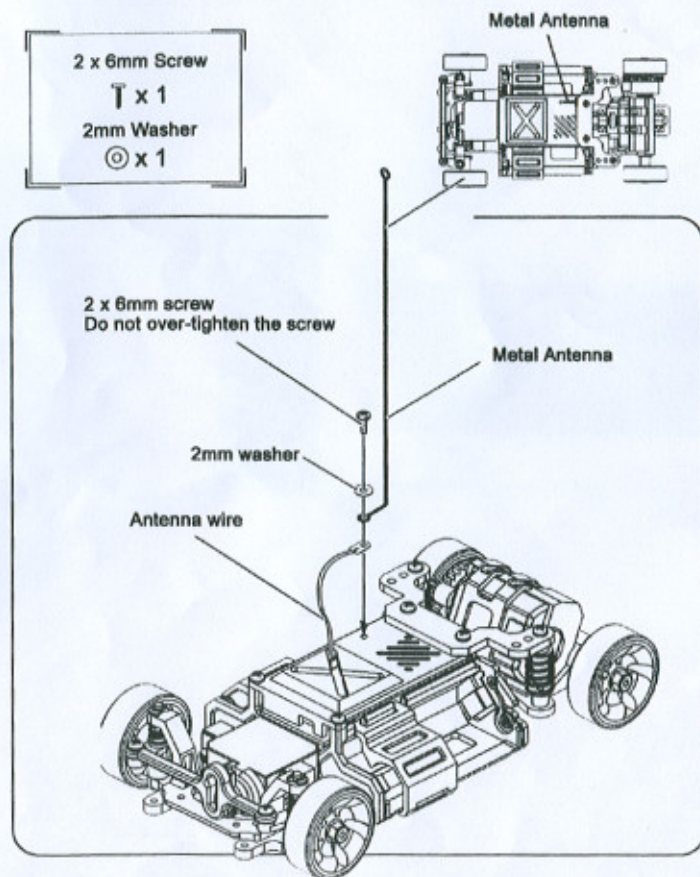
Bottom View



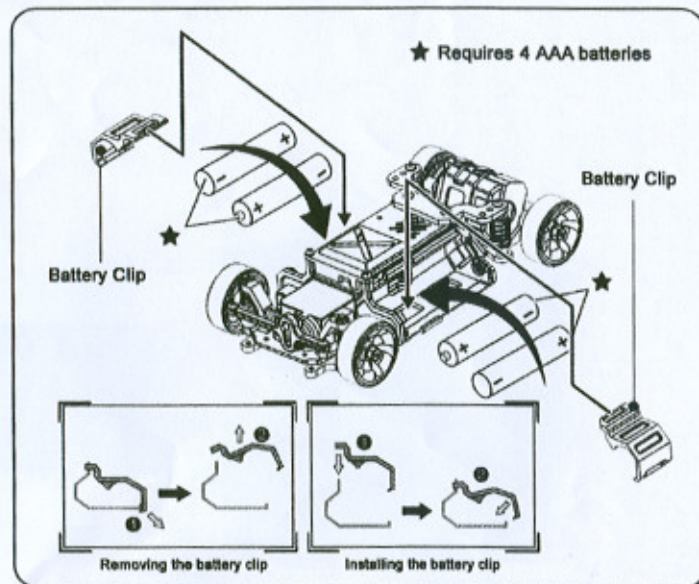
3 BEFORE RUNNING

1 Assembling the Chassis

Install the antenna as shown below.

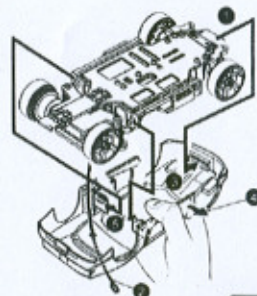


2 Installing Batteries



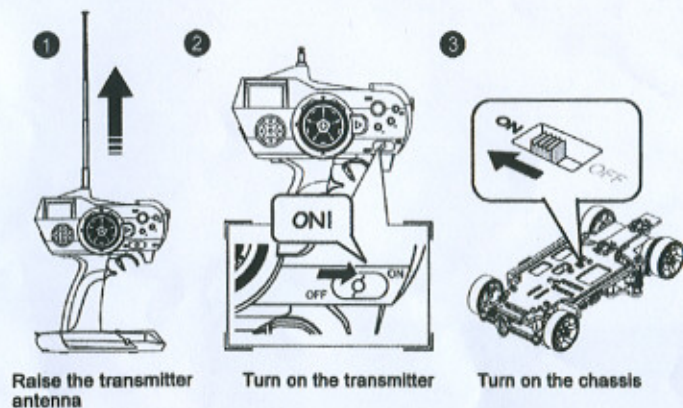
3 Installing Body

- 1 Install front chassis body mounting tab into body slot
- 2 Insert the antenna into the body's antenna hole
- 3 Insert the mounting tab into the body's front slot
- 4 Carefully spread the rear body mounting tabs of the body
- 5 Install the body over the chassis body mounts

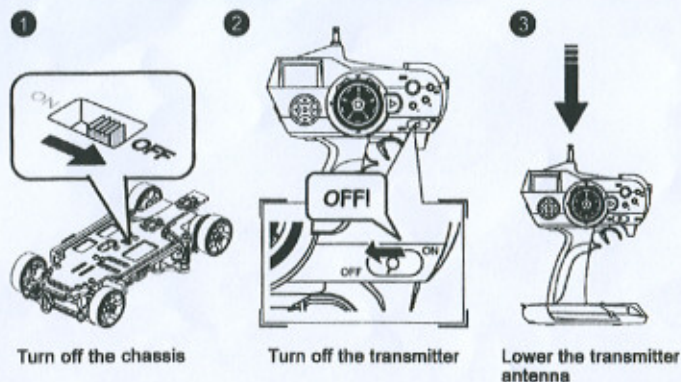


4 RUNNING

Power On Procedure

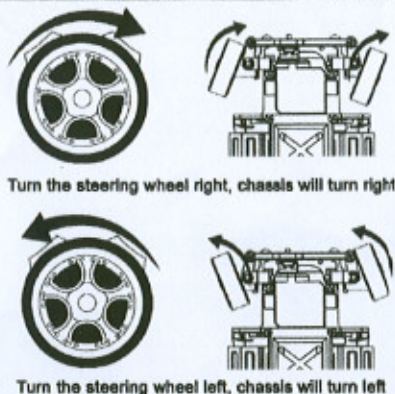


Power Off Procedure



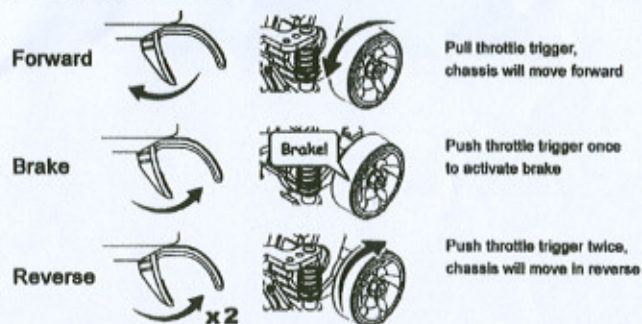
Controlling Your Model

Steering Control



- ✗ Always check steering functions with tires off the ground before running!
- ✗ Chassis steering angle is proportional to transmitter steering wheel input angle.

Throttle Control

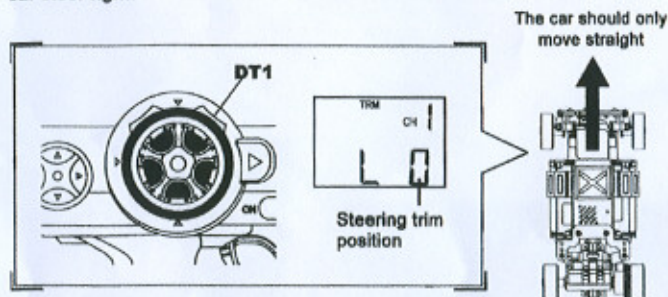


- ✗ Always check throttle function with tires off the ground before running!
- ✗ Chassis speed is proportional to transmitter throttle trigger input angle.

4 RUNNING

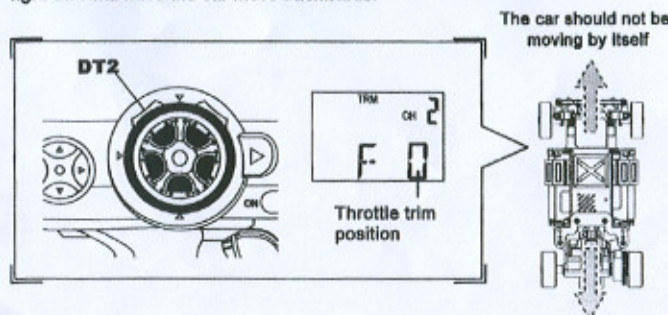
Running In a Straight Line

Let the steering wheel get back to its neutral position. Afterwards, adjust the steering trim until the car moves in a straight line. Press the left button to have the car steer left, and the right button to have the car steer right.



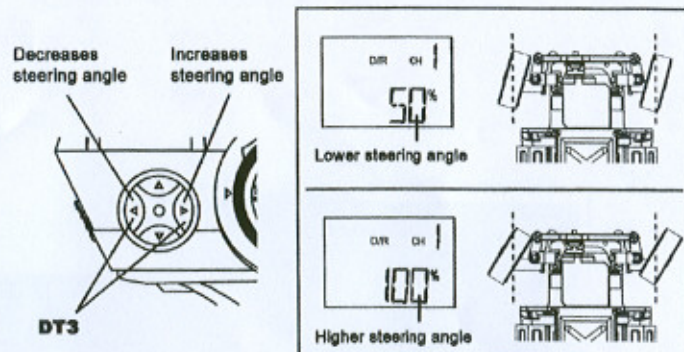
Bringing Your Car to a Complete Stop

Let the throttle trigger go back to its neutral position. Then adjust the throttle trim until the car comes to a complete stop. Please keep on adjusting the trim until the car makes no sound. Pressing the left trim will have the car go forward, and the right trim will have the car move backwards.



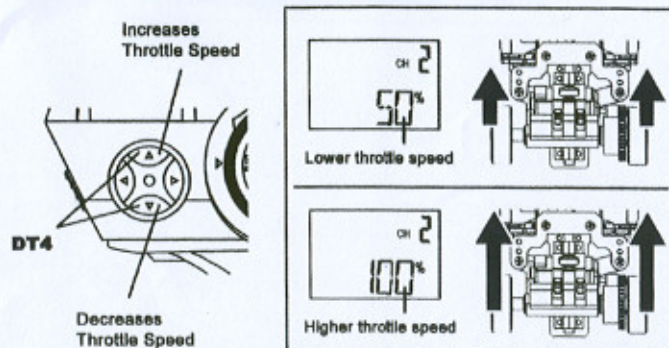
Adjusting the Steering Angle

You can adjust the steering angle (the degree to which tires turn) to your choice.



Adjusting the Throttle Speed

You can adjust the throttle speed (the running speed for the rear tires) to your choice.



4 RUNNING

1 Replacing Batteries

- Transmitter
(Low Battery Alarm)

Please replace transmitter batteries when voltage drops to 8.5V, an audible alarm and visual warning will alert.



LCD screen

⚠ Warning

Stop operating and retrieve the car immediately when the low battery alarm goes off.

- Chassis

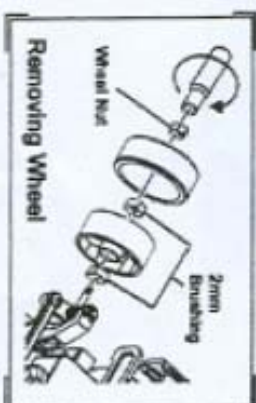
Please replace chassis batteries when speed drops to a crawling pace.

✗ Never run with low batteries in both transmitter / chassis!

5 MODIFYING

1 Changing Wheels and Tires

Tires are held on to wheels by friction, if you find that the tire is getting loose, just remove old tires and replace with new ones.

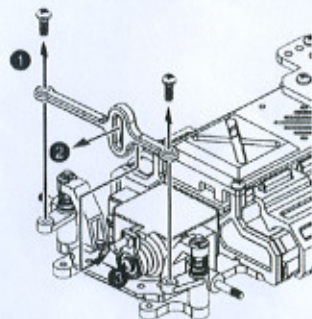


1. Place wheel bushings in front wheel (2x 2mm bushing) or rear wheel (2mm (left) or 3mm (right) bushing)
2. Slide rear wheels over drive pins
3. Place wheel nuts back on axles

✗ Do not over-tighten wheel nuts! If the tire cannot rotate easily, please slightly loosen the wheel nut.

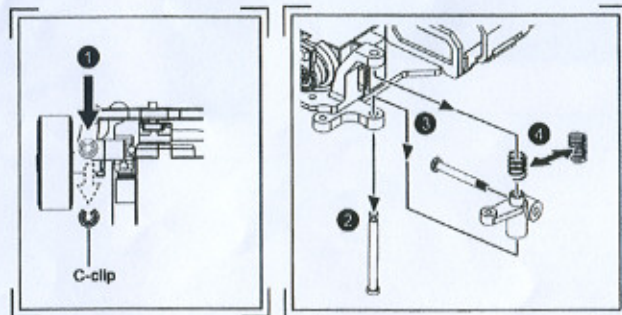
5 MODIFYING

1 Changing Steering Tie Rod



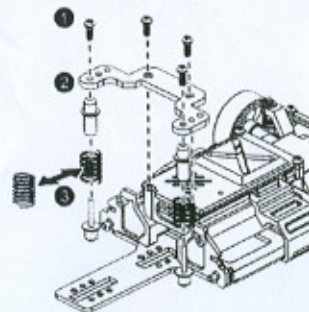
- 1 Remove screws from both steering knuckle arms
- 2 Slide tie rod off servo saver
- 3 Install new tie rod and reinstall the screws

1 Changing Front Springs



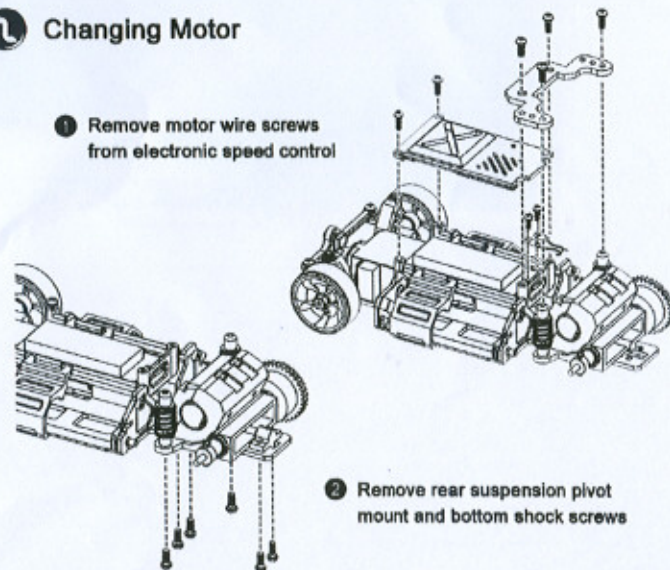
- 1 Remove the C-clip
- 2 Slide king pin from bottom of car
- 3 Remove steering knuckle arms and springs
- 4 Replace springs and reinstall parts

1 Changing Rear Springs



- 1 Remove screws from rear upper suspension plate
- 2 Pull shocks apart and slide springs off
- 3 Replace new springs and reinstall parts

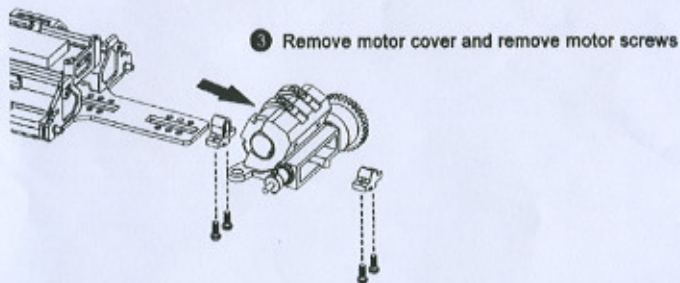
1 Changing Motor



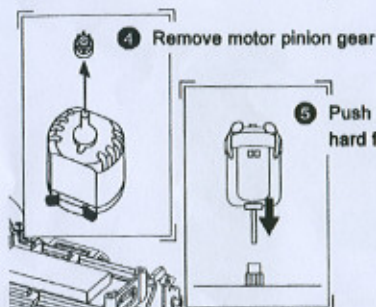
- 1 Remove motor wire screws from electronic speed control

- 2 Remove rear suspension pivot mount and bottom shock screws

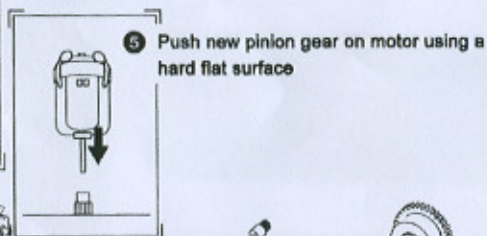
5 MODIFYING



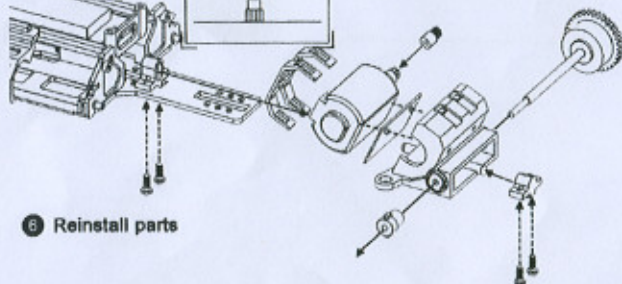
3 Remove motor cover and remove motor screws



4 Remove motor pinion gear



5 Push new pinion gear on motor using a hard flat surface



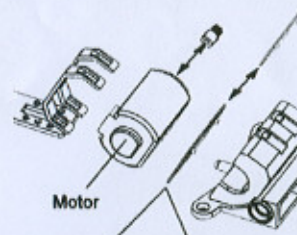
6 Reinstall parts

Changing Motor Pinion Gear

When replacing, the pinion gear should always go with the spacer. Refer to the chart, and use the proper pinion and spacer combination. The 7T pinion is already installed.

1. Remove the motor and pinion gear (refer to the Changing Motor section)
2. Please use the recommended spacer for each different pinion gear

The lower number of teeth will result in faster acceleration and longer battery life, the higher number of teeth will result in a higher top speed!



Note the direction. Spacer A

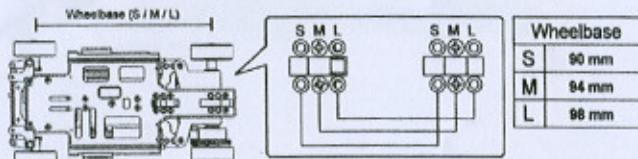
Pinion Gear Comparison Table

Name	Gear	Acceleration	Max Speed	Running Time
7T		Best	Okay	Longest
8T		Good	Fast	Long
9T		Okay	Fastest	Okay

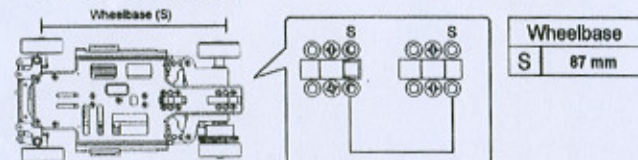
Changing Wheelbase

Remove the rear suspension pivot mount screws and adjust to the desired wheelbase.

• For MM (Mid Motor)

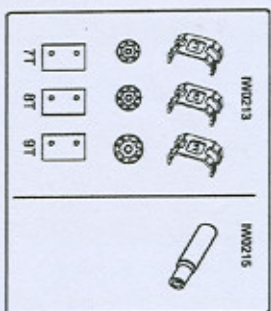
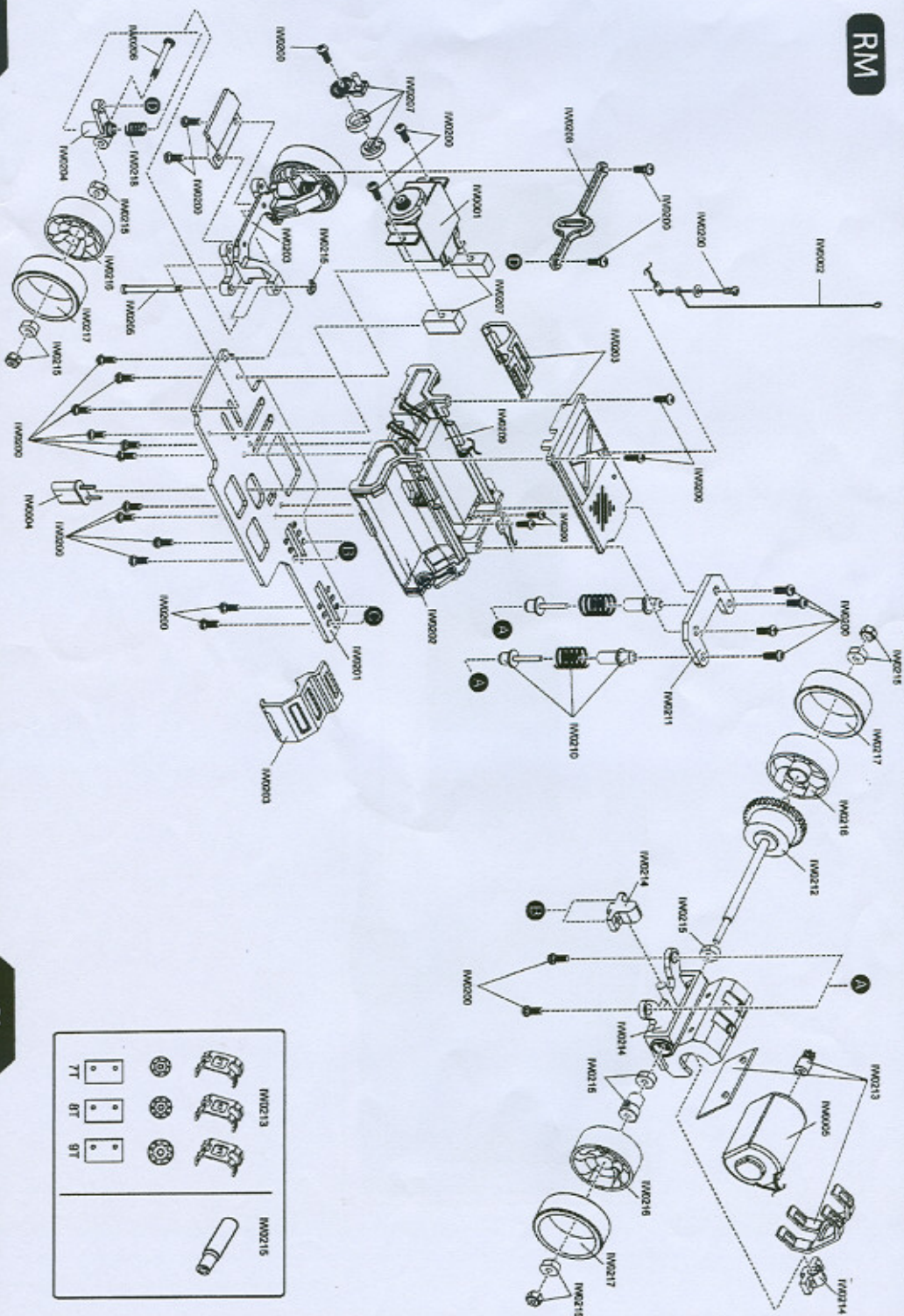


• For RM (Rear Motor)



6 EXPLODED VIEW

RM



IWAVER 02 PARTS LIST

1	IW0200	02 SCREW SET
2	IW0201	02 CHASSIS PLATE
3	IW0202	02 BATTERY BOX
4	IW0203	02 CHASSIS SMALL PART SET
5	IW0204	02 FRONT KNUCKLE ARM SET
6	IW0205	02 KING PIN
7	IW0206	02 FRONT AXLE SET
8	IW0207	02 SERVO SAVER SET
9	IW0208	02 TIE ROD SET (-2, 0, 1)
10	IW0209	02 RX/ESC BOARD
11	IW0210	02 REAR SUSPENSION SET
12	IW0211	02 UPPER SUSPENSION PLATE
13	IW0212	02 GEAR DIFF ASSEMBLY
14	IW0213	02 PINION GEAR SET
15	IW0214	02 MOTOR MOUNT SET (RM/MM)
16	IW0215	02 BUSHING & NUT SET
17	IW0216	02 WHEEL SET
18	IW0217	02 TIRE SET
19	IW0218	02 FRONT REGULAR SPRING SET
20	IW0219	02 BALL BEARING SET
21	IW0220	02 FRONT/REAR SUPER LOGIC LED LIGHT SET
22	IW0001	STEERING SERVO
23	IW0002	ANTENNA SET
24	IW0004	MOTOR

8 TROUBLESHOOTING

Chassis Not Running

- Transmitter or chassis is off ----- Refer to "Power On Procedure" on page 8.
- Incorrect battery polarity installation ----- Refer to "Installing Batteries" on page 7
- Low transmitter / chassis power ----- Refer to "Installing Batteries" on page 7
and "Replacing Batteries" on page 12

No Control of Chassis

- Transmitter's power is off ----- Refer to "Power On Procedure" on page 8
- Low transmitter / chassis power ----- Refer to "Installing Batteries" on page 7
and "Replacing Batteries" on page 12
- Missing antenna or improper installation ----- Refer to "Assembling the Chassis" on
page 6
- Another radio control vehicle on the same frequency --- Refer to "Changing Frequency Crystal" on
page 13

Chassis Doesn't Run in a Straight Line

- Steering trim is off ----- Refer to separate transmitter instruction
manual
- Over-tighten wheel nuts ----- Refer to "Changing Wheels and Tires" on
page 13

Chassis Doesn't Stop

- Throttle trim is off ----- Refer to separate transmitter instruction
manual

Chassis Running Slowly

- Low chassis power ----- Refer to "Installing Batteries" on page 7
and "Replacing Batteries" on page 12
- Over-tighten wheel nuts ----- Refer to "Changing Wheels and Tires"
on page 13
- Worn out motor ----- Refer to "Changing Motor" on page 15-16
- Incorrect gear mesh ----- Refer to "Changing Motor Pinion Gear"
on page 16
- Chassis rubbing on body ----- Refer to "Installing Body" on page 7
- Dirty gears ----- Power off transmitter / chassis and
clean out gears