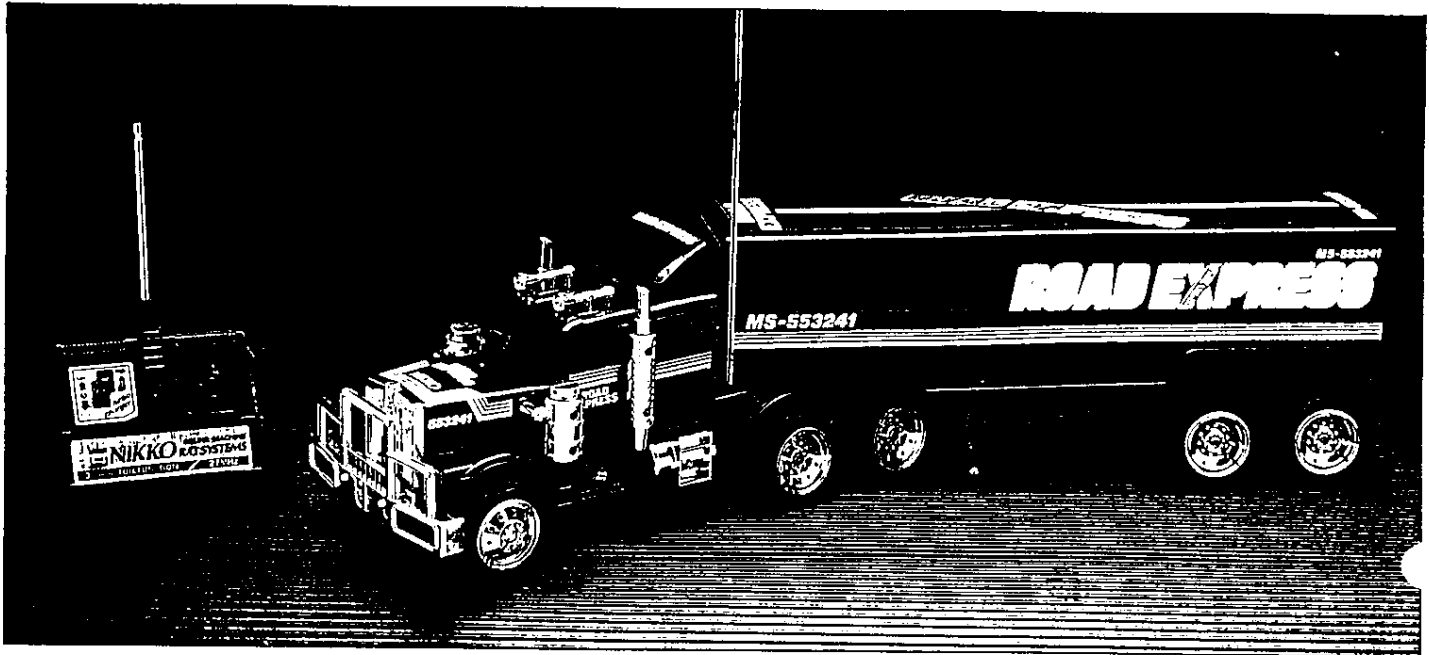


# THUNDER ROAD

SCALE: 1/25



## RADIO CONTROL

No. 25016 © NIKKO

**NIKKO**  
AMERICA, INC

Please read carefully before starting to operate.

## FEATURES

- Real sound system (Real sound that changes according to the way the vehicle is operated.) starter motor's operating sound, engine's idling sound, sound of exhaust brake, sound of horn, etc.
- 3ch full function  
Runs forward & reverse, turns left & right, stop. (Speed control and steering control can be done separately.)
- 2 x 2 speed forward running
  - \* Steerable low speed & high speed
  - \* Vehicle's High/Low change over switch
- Trailer connection

## BATTERY REQUIREMENTS

### TRANSMITTER:

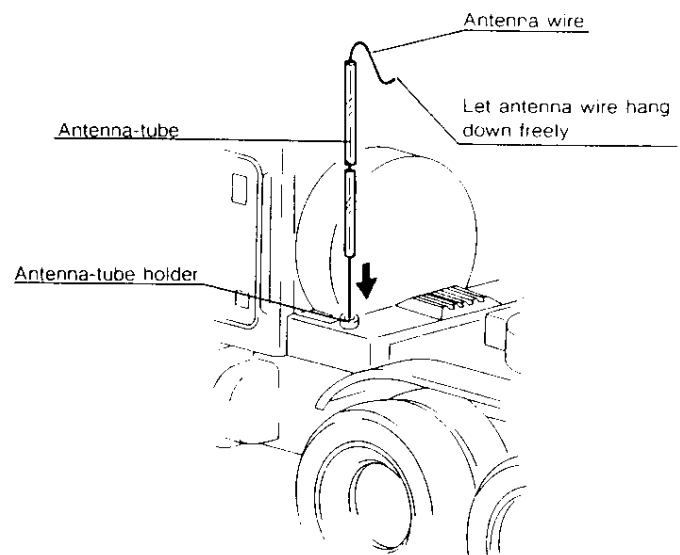
6 AA size (UM-3) alkaline (1.5V) batteries

### VEHICLE:

8 AA size (UM-3) alkaline (1.5V) or Ni-Cd (1.2V) batteries or one 9.6V Ni-Cd battery pack

Please read the instructions before starting to operate. Without any precautions, the vehicle may move without your command or there may be overheating of batteries or power motor. Additionally, the vehicle should be kept out of the reach of very young children.

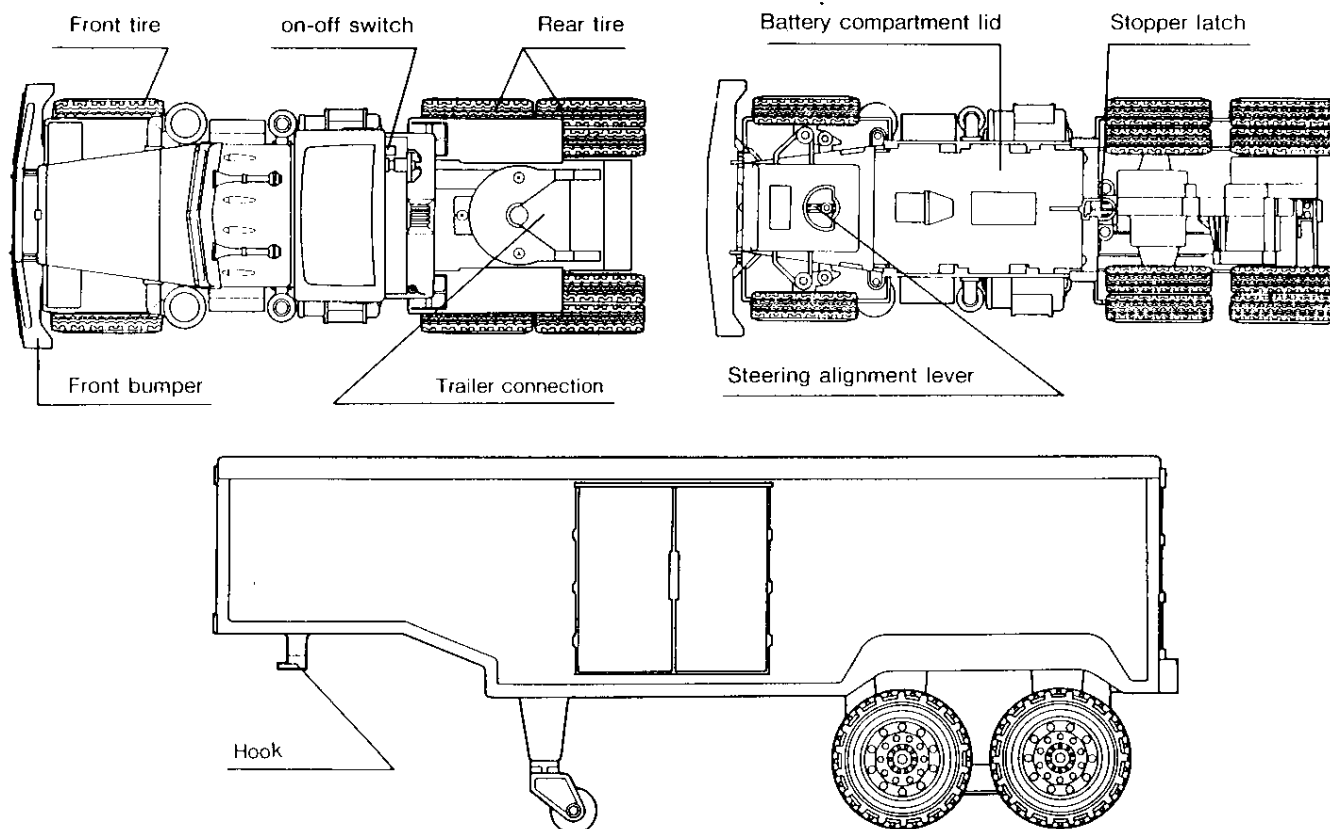
## ● TO INSTALL ANTENNA TUBE



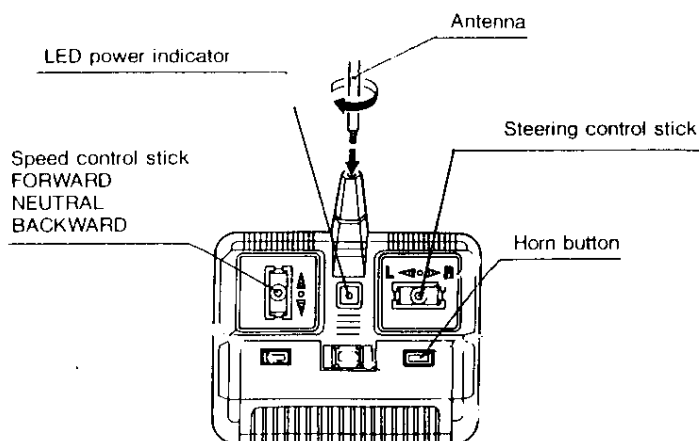
\* Pass antenna wire through antenna tube and insert the antenna tube into antenna tube holder.

# NAMES OF PARTS

## Vehicle



## Transmitter

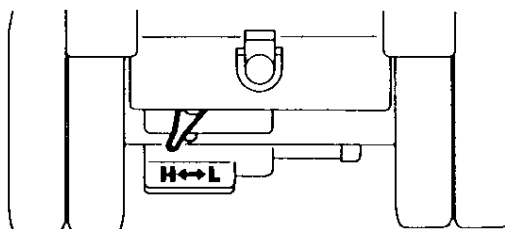


### ● SELECT THE GEAR ACCORDING TO YOUR PLAY GROUND CONDITIONS

LOW: "L" Gear is suitable for rough surfaces or small places.

HIGH: "H" Gear is suitable for large places with smooth surface. Vehicle runs faster than at "L" Gear.

At gear lever "H" position, ALKALINE batteries' life do not last long, we recommend NI-CD rechargeable batteries for long play at "H" position. When ALKALINE batteries are being used, we recommend to play at gear lever "L" position.



\* If the selector switch (gear shift) should not move smoothly, slight turning of the rear wheels by hand will facilitate shifting.

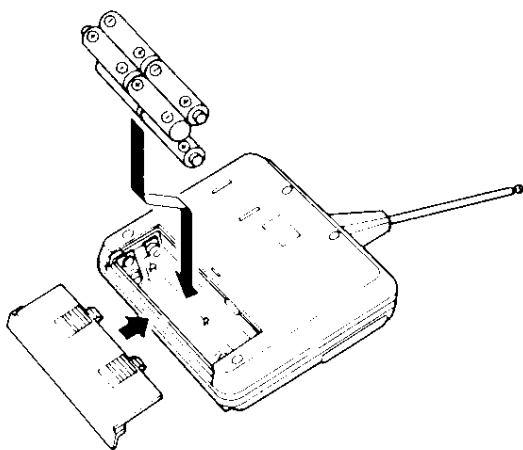
### AUTO POWER OFF TRANSMITTER (PAT.P.) (To prevent unnecessary power loss.)

The transmitter is turned ON automatically when you operate the transmitter (and the red LED power indicator lights up to indicate that the power has been turned ON). About 15 seconds after you stop operating the transmitter, the power is automatically turned OFF (and the red LED power indicator goes out).

When the transmitter power is turned OFF (about 15 seconds after you stop operating), the vehicle can be jammed by other transceiver radio waves and start to move abnormally. When this happens, turn the transmitter power ON once more, so that the vehicle will not be jammed by external radio waves.

# BATTERY INSTALLATION

## Transmitter

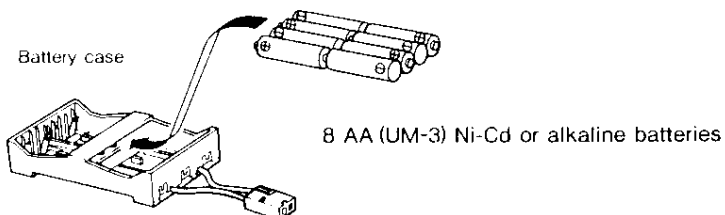


### CAUTION:

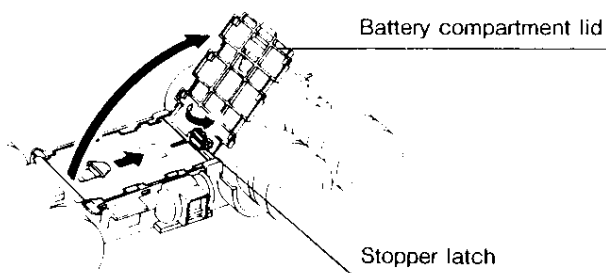
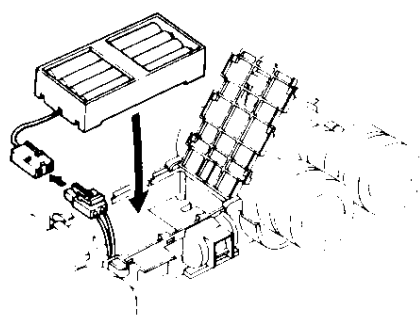
- Install batteries making sure that  $\oplus$  and  $\ominus$  poles of the batteries are positioned accurately.
- Avoid using alkaline batteries and Ni-Cd batteries together.
- Avoid using new alkaline batteries and old alkaline batteries together.
- Avoid using charged Ni-Cd batteries and discharged Ni-Cd batteries together.

## Vehicle

### ● TO USE AA (UM-3) BATTERIES



### HOW TO OPEN THE BATTERY LID

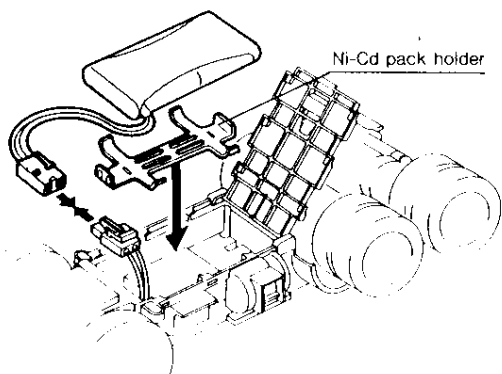


Make sure the vehicle's on-off switch is in its OFF position.

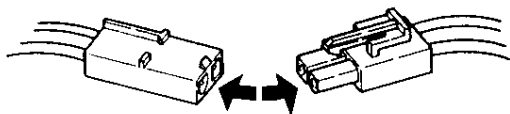
\* We recommend the use of powerful and economical 8 AA (UM-3) Ni-Cd batteries or a 9.6V Ni-Cd battery pack.

## ● TO USE 9.6V NI-CD BATTERY PACK

9.6V Ni-Cd battery pack



Disconnect the connectors as shown after a run.



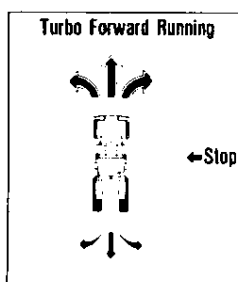
Use Ni-Cd pack holder so that the pack fit firmly on-the wall of the battery compartment.

- When you connect the connectors, make certain the vehicle Switch is in the "OFF" position.
- Set connectors properly. (The connectors are designed to be connected in only one way so that the positive (+) and the negative (-) terminals are connected accurately.)
- Disconnect the connectors immediately after a run.
- When you disconnect the connectors, don't pull by the cords.
- Avoid short circuits because it is very dangerous.
- Remove all the batteries both from the vehicle and the transmitter after a run.

## HOW TO OPERATE

- (1) Select H or L with the vehicle's change over switch.
  - (2) Extend transmitter antenna to its full length.
  - (3) Turn ON the transmitter by operating the transmitter. (LED comes ON.)
  - (4) Turn ON the vehicle while the transmitter's LED is lighting. (The sound switch will not operate if the on-off switch is not turned ON.)
  - (5) Turn the sound switch to START position and there will be a sound of starter motor and then engine's accelerating sound. Then, let it return to RUN position. (If the switch is set at RUN position without being turned further to START position, there will be a starting signal after about 5 seconds. This signal repeats at about 10 seconds interval if the vehicle is not operated.)
  - (6) Start operating the vehicle. The sound will change according to the way the vehicle move. Moreover, there will be a sound of horn by pushing the transmitter's horn button.
  - (7) Turn OFF the vehicle after operating.
  - (8) Remove all batteries from vehicle and transmitter.
- \* Please follow the above sequence of operation.

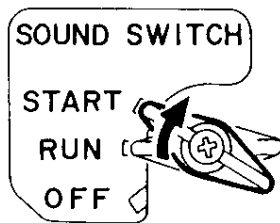
### Vehicle



### CAUTION

Before the vehicle's on-off switch is turned ON, should the transmitter's LED power indicator be turned ON by operating the transmitter. This is for transmitting steady signals so that the vehicle should not move erratically when the vehicle is turned ON.

## SOUND SWITCH



If the switch is released after it is turned to START position, it will return to RUN position by itself.

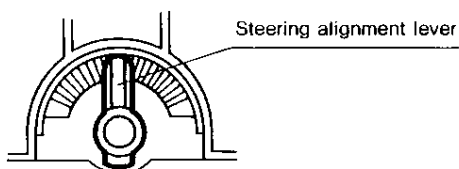
## CAUTION

- The vehicle is not turned OFF by the SOUND switch but by the on-off switch. After playing, be sure to turn OFF the on-off switch.
- You can operate the vehicle without any sound by setting the sound switch at OFF position.

## NOTE:

- If the antenna is not screwed in securely, the vehicle may move erratically. Screw in the antenna securely.
- You can control the vehicle at a longer distance by holding the transmitter higher with the antenna straight up.
- The vehicle may sometimes fail to make sound effect when the 8 (UM-3) batteries or the 9.6V Ni-Cd battery pack is running out of power. In this case, turn OFF the sound switch and operate the vehicle or replace the batteries or the battery pack with fresh one.
- If the sound switch is turned to START position when the engine sound has already started, there will be engine's accelerating sound.
- The vehicle runs very fast at TURBO High Speed. Please operate the vehicle carefully.
- Don't try to operate the vehicle to move if it stuck.

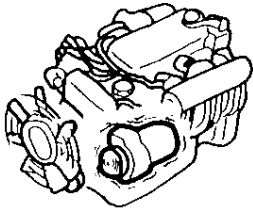
## TO ADJUST STEERING ALIGNMENT



Adjust the steering alignment lever on the underside of the vehicle when the vehicle does not run straight.

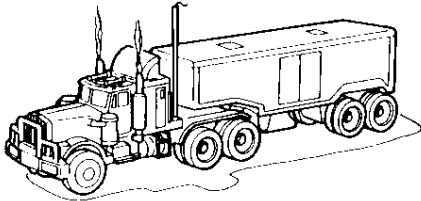
# REAL OPERATING SOUND

## Starter motor



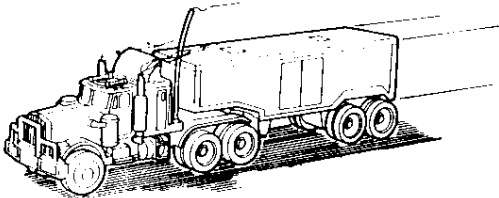
Turn ON the vehicle first and then turn the sound switch to START position before operating. There will be a sound of starter motor and then engine's accelerating sound.

## Idling of engine



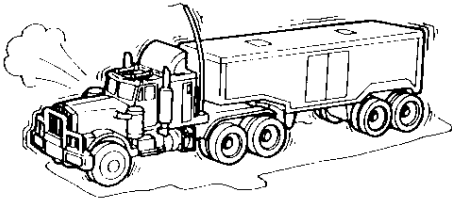
When the speed control stick is set at STOP position after the engine sound has already started, there will be engine's idling sound.

## Engine sound



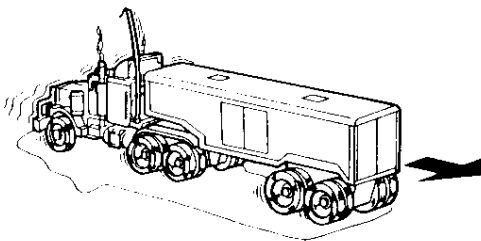
The sound will change according to the vehicle's running speed.

## Exhaust brake



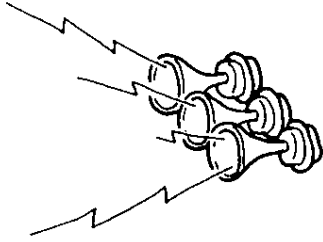
If the speed control stick is returned to STOP position when the truck is running, there will be a sound of exhaust brake.

## Back buzzer



when the truck is going backward, there is the sound of back buzzer.

## Horn



There will be a sound of horn by pushing the transmitter's horn button.

## Warning signal for turning OFF the vehicle's on-off switch

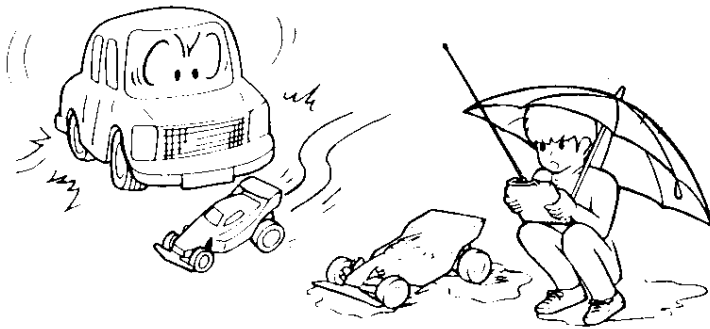
When there is no engine sound with the vehicle's on-off switch turned ON and if the vehicle is not operated, there is warning signal sound at about 30 seconds interval.

# OPERATING SAFETY RULES

Select a **SAFE** place to operate your vehicle. Do not drive in the street. Avoid driving on **SAND** or through puddles of **WATER**. These hazards can impair performance. Check the surface ahead of you and watch for obstacles.

The radio receiver in your vehicle and transmitter are sensitive instruments. Do not leave Vehicle or Transmitter near sources of **HEAT** or under **DIRECT SUNLIGHT** for long periods of time.

Avoid leaving Vehicle or Transmitter **OUTSIDE OVERNIGHT**. **NIGHT DAMPNESS IS HARMFUL** to **INTERIOR MECHANISM**.



**RADIO INTERFERENCE:** Sometimes erratic behavior or loss of control of vehicle is the result of interference caused by high tension wires, high voltage transformers certain types of building, concrete walls or narrow places where **RADIO SIGNALS** sent from your transmitter **MAY BE SCATTERED** thus making it **DIFFICULT** for your vehicle to receive a **GOOD RADIO SIGNAL**. If you encounter this type of behavior or loss of control, **CHANGE TO A DIFFERENT LOCATION**. You will encounter **INTERFERENCE** if **ANOTHER** radio controlled vehicle or **CB radio** is operating in the vicinity on your **SAME FREQUENCY**.

**Cleaning and maintenance:**

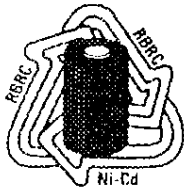
This toy vehicle needs periodic maintenance and cleaning.

**Warning to the parents**

The charger for the Ni-Cd battery pack needs periodic inspection to see that the lead wires, plugs, outer case, and other parts are not damaged in any way. If any of the parts are damaged, do not use the charger until it is completely repaired.

**Caution**

Keep out of reach of small children under 36 months old as there is danger of getting hurt.



**THE RBRC™ Seal on the nickel cadmium battery pack** indicates that NikkoAmerica is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life. The RBRC program provides a convenient alternative to disposing nickel-cadmium batteries into the trash or municipal waste stream, which is illegal in some areas.

Nikko America's payments to RBRC makes it easy for you to drop off the spent battery pack at local retailers who sell replacement nickel-cadmium batteries.

You may also contact your local recycling center for information on where to return the spent battery pack.

RBRC is a trademark of the Rechargeable Battery Recycling Corporation.

**THE FCC WANTS YOU KNOW**

This device complies with part 15 of the FCC Rules, Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

Your R/C car might cause TV or radio interference even when it is operating properly.

To determine whether your R/C car is causing the interference, turn off your R/C car.

If the interference goes away, your R/C car is causing the interference.

Try to eliminate the interference by:

- Moving your R/C car away from the receiver.
- Contacting your local store for help.

If you cannot eliminate the interference, the FCC requires that you stop using your R/C car.

**WARNING:**

Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment.