

INSTRUCTION MANUAL



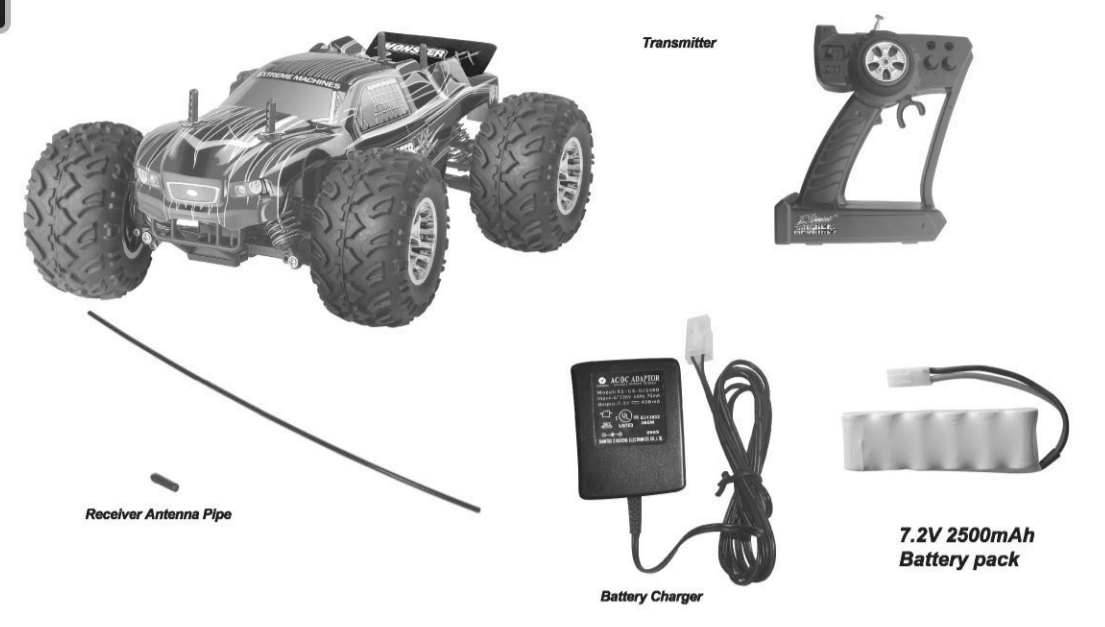
MONSTER XX™

1 Overview

PLEASE DO NOT RETURN PRODUCT TO STORE. PLEASE CONTACT OUR CUSTOMER SERVICE AT 510-618-1700 Monday - Friday from 10:30 AM CST to 7:00 PM CST.

- The PRO GRADE MONSTER XX is a Pro Grade R/C vehicle (RC vehicle) and it is for age 14 up.
- Read and understand this instruction manual thoroughly before operating the model. If you are not familiar with RC vehicles, we recommend that you ask someone familiar with RC vehicles for advice.
- Never connect rechargeable battery in the reverse polarity when the battery is disconnected. If the drive battery is used in the wrong way, high current can be generated and it is very dangerous.
- Never run RC models near people or animals, or on public streets or highways. This could cause serious accidents, personal injuries, and/or property damage.
- This MONSTER XX vehicle is WEATHERPROOF and is able to run in snow and wet conditions! DO NOT submerge vehicle under water. DO NOT run it in deep water or sand.

Equipment Included

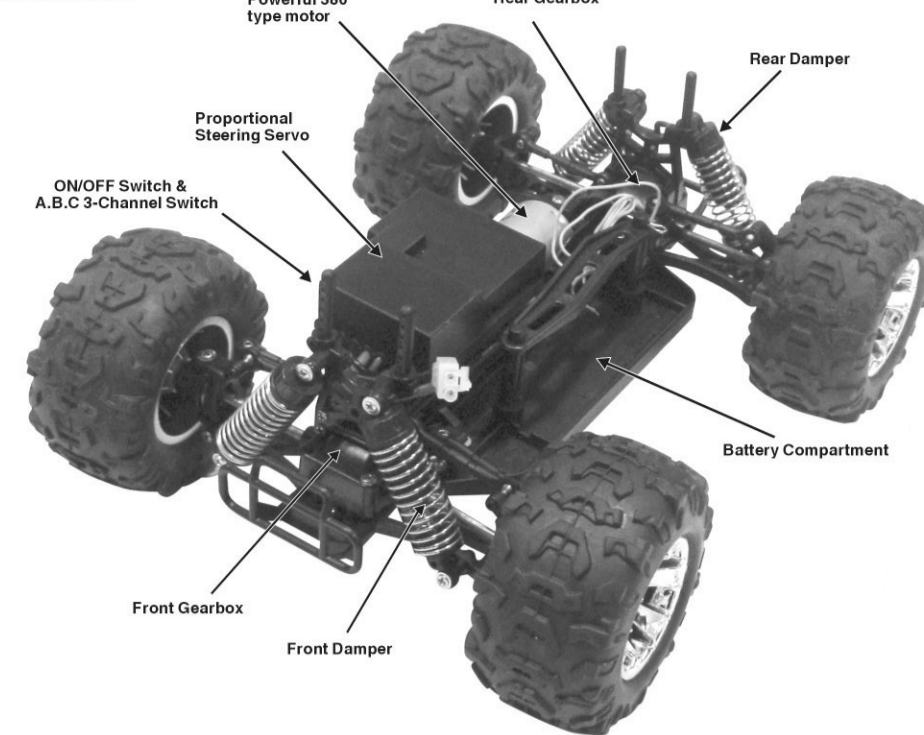


Equipment Needed

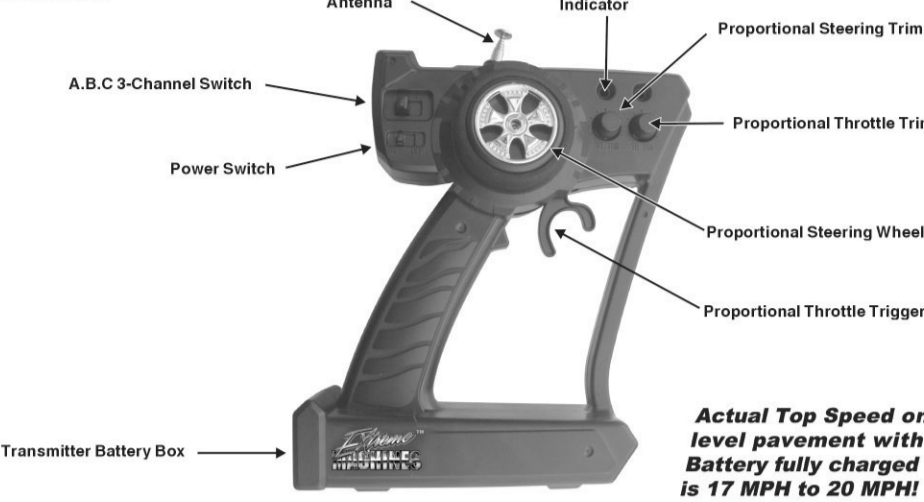


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Part Names



Transmitter



Actual Top Speed on level pavement with Battery fully charged is 17 MPH to 20 MPH!

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2 Start Up Guide

2-1 Charging The Drive Battery

This power unit is intended to be correctly oriented in a vertical or floor mount position.



WARNINGS & CAUTIONS

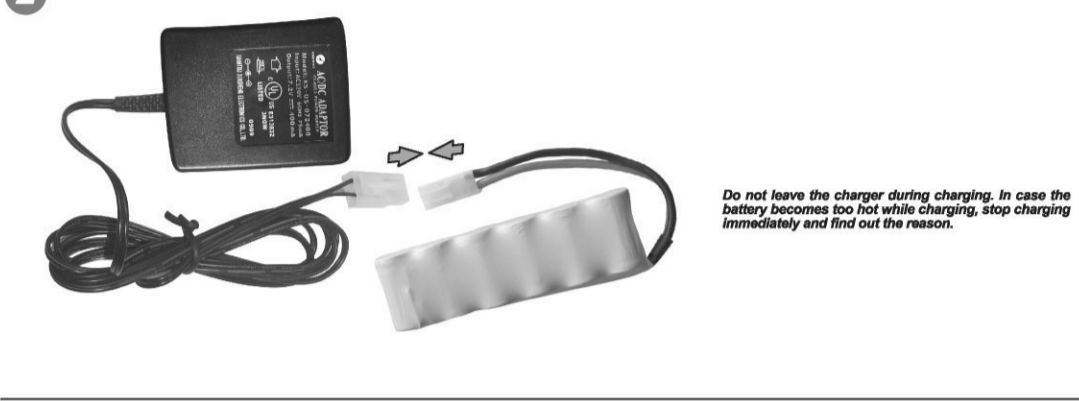
- The charger is an exclusive charger for NiCd/NiMH batteries. Never use the charger for any other kinds of batteries such as Lithium-Ion, which may damage the charger.
- Keep the charger, wires and batteries away from water.
- Never disassemble or modify the charger, wires of batteries.
- Use the charger in a well-ventilated place. Do not use the charger on carpet or cloth.
- Never leave the charger during charging. Disconnect the power supply and battery from the charger if you leave the charger.
- Charge the battery pack only with the supplied ac adaptor.
- For both input and output, the red wire is for + (positive) and the black wire is for - (negative). Make sure that all connections are correct.
- If the battery becomes too hot while charging, stop charging immediately and find out the reason.
- Do not dispose of batteries or throw batteries into fire. It is recommended to bring used batteries to a recycle shop.

The rechargeable battery pack are not charged prior to shipping and must be charged 8 hours before the first and second use. Subsequent charges require 3-4 hours. Plug the charger into a standard 110V/120V indoor electrical outlet.



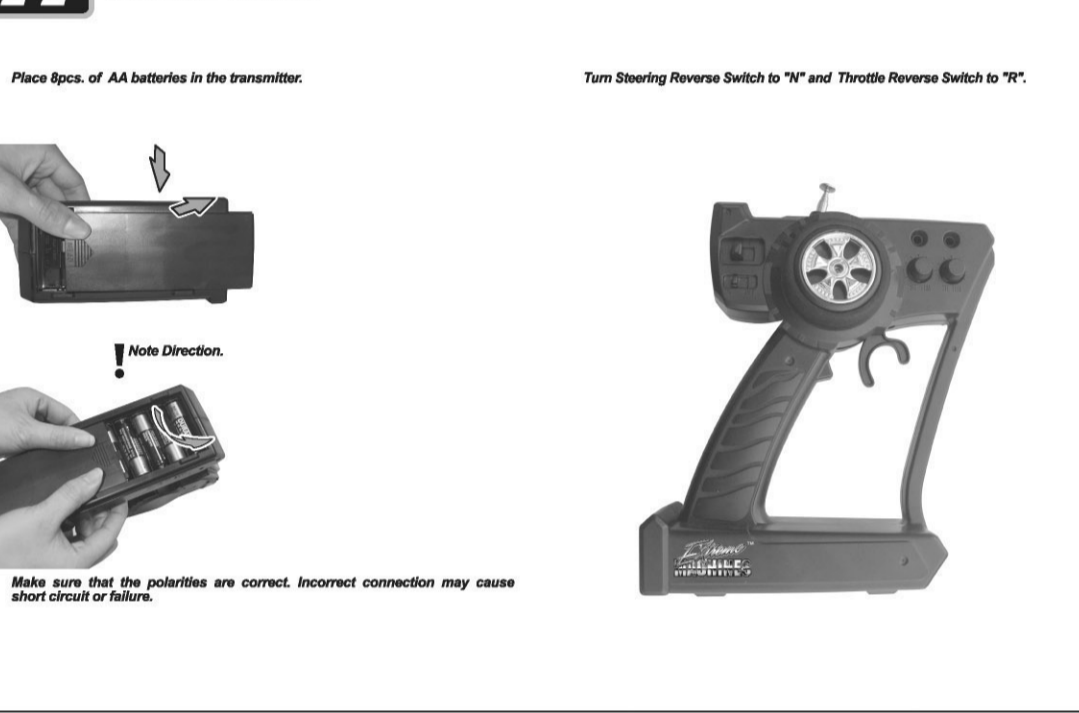
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2-2 Preparing The Transmitter



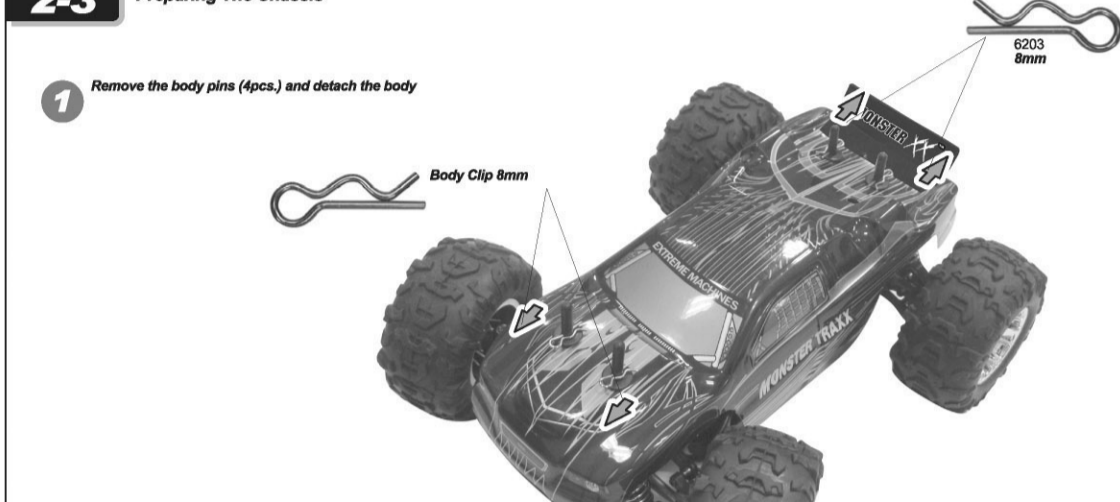
1. If you do not use the product for a long time, all batteries are to be removed from the vehicle and the transmitter. Do not mix old and new batteries. Do not mix alkaline, standard (Carbon-Zinc), or rechargeable (Nickel-Cadmium) batteries.

2-3 Preparing The Chassis

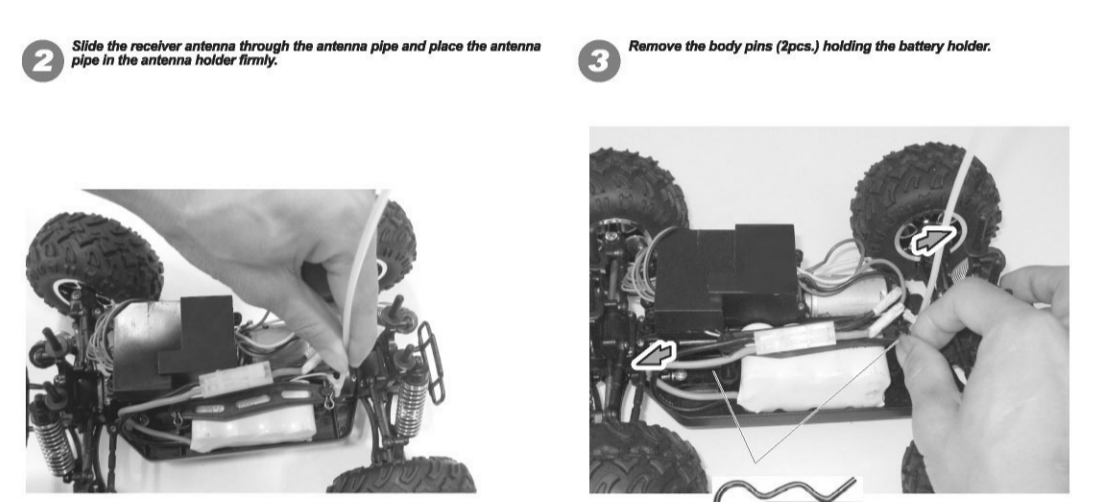


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2-4 Turn on transmitter first, then turn on the switch which controls the chassis.



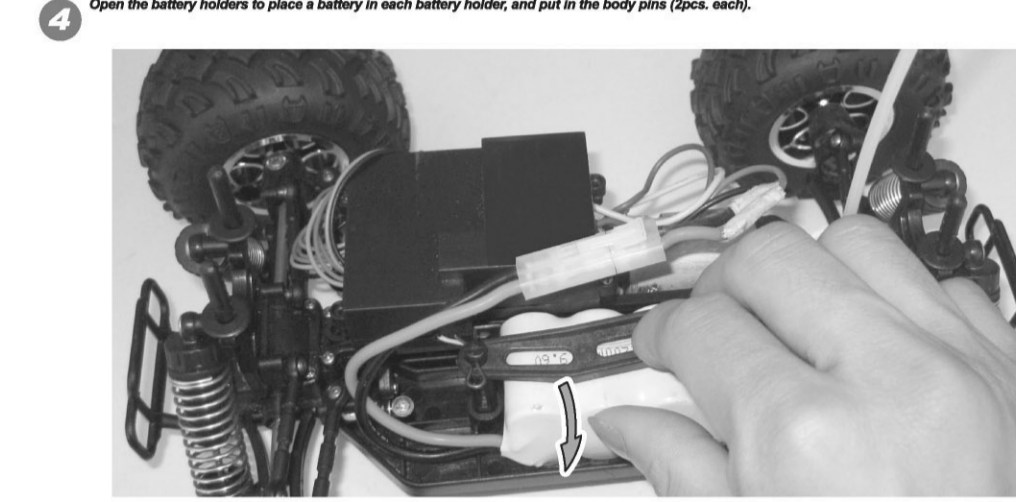
1. Turn on the transmitter switch and the LED battery indicator will light up. If 2 minutes or more not light up, check the positive and battery power. If the battery power is low, replace the batteries with new ones.



2. Turn on the switch of the car. If you hear a tone signal, the automatic set-up of the speed control has been completed. Do not operate the throttle trigger on the transmitter yet to prevent malfunction caused by noncorrect setup.

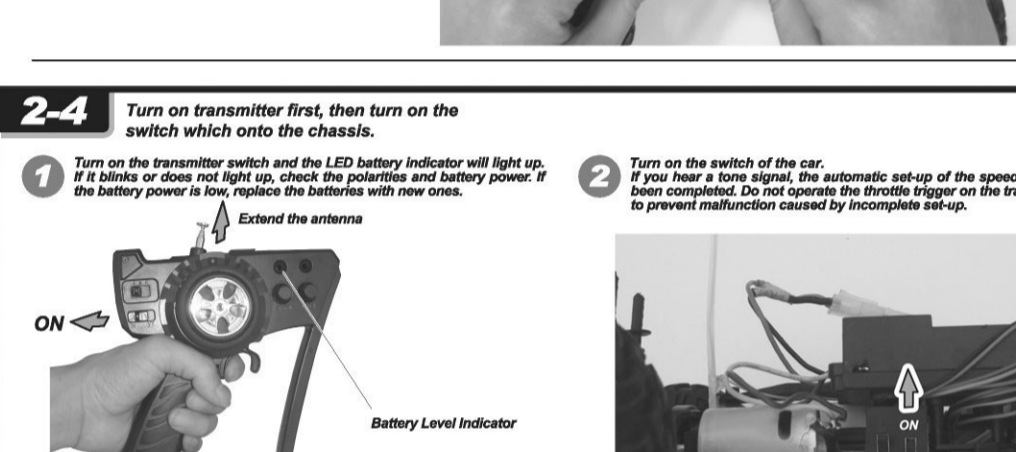
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2-5 Adjustment of the Proportional Steering Trim



1. Place the vehicle on a stable stand with the tires not touching the ground to check the speed control operation. When the throttle trigger on the transmitter is in neutral, the LED on the speed control lights up green. Pull the throttle trigger on the transmitter slowly, the LED on the speed control will flash red. Push the throttle trigger fully, and the LED on the speed control will solid red.

2-6 Check the speed control operation.



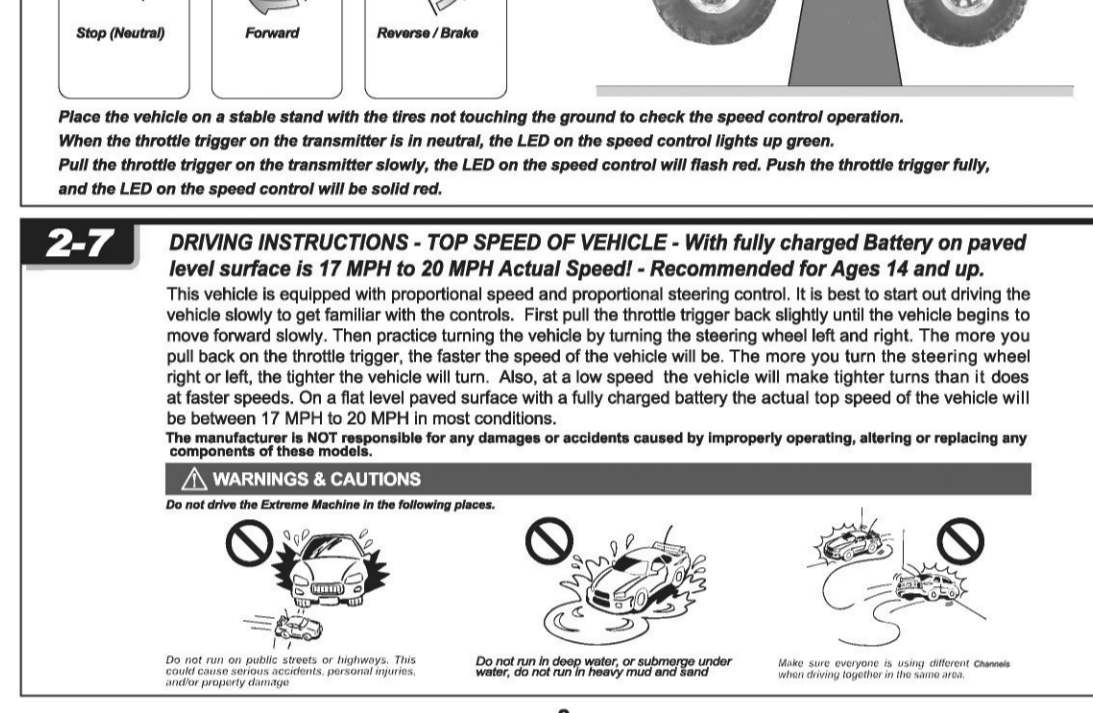
1. Turn on transmitter first, then turn on the switch which controls the chassis. 2. Turn on the switch of the car. If you hear a tone signal, the automatic set-up of the speed control has been completed. Do not operate the throttle trigger on the transmitter yet to prevent malfunction caused by noncorrect setup.

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2-7 DRIVING INSTRUCTIONS - TOP SPEED OF VEHICLE - With fully charged Battery on paved level surface is 17 MPH to 20 MPH Actual Speed - Recommended for Ages 14 and up.

This vehicle is equipped with proportional speed and proportional steering control. It is best to start out driving the vehicle slowly to get familiar with the controls. First pull the throttle trigger back slightly until the vehicle begins to move forward slowly. Then practice turning the vehicle by turning the steering wheel left and right. The more you pull back on the throttle trigger, the faster the speed of the vehicle will be. The more you turn the steering wheel right or left, the tighter the vehicle will turn. Also, at a low speed the vehicle will make tighter turns than it does at faster speeds. On a flat paved surface with a fully charged battery the actual top speed of the vehicle will be between 17 MPH to 20 MPH in most conditions. The manufacturer is NOT responsible for any damages or accidents caused by improperly operating, altering or replacing any components of this vehicle.

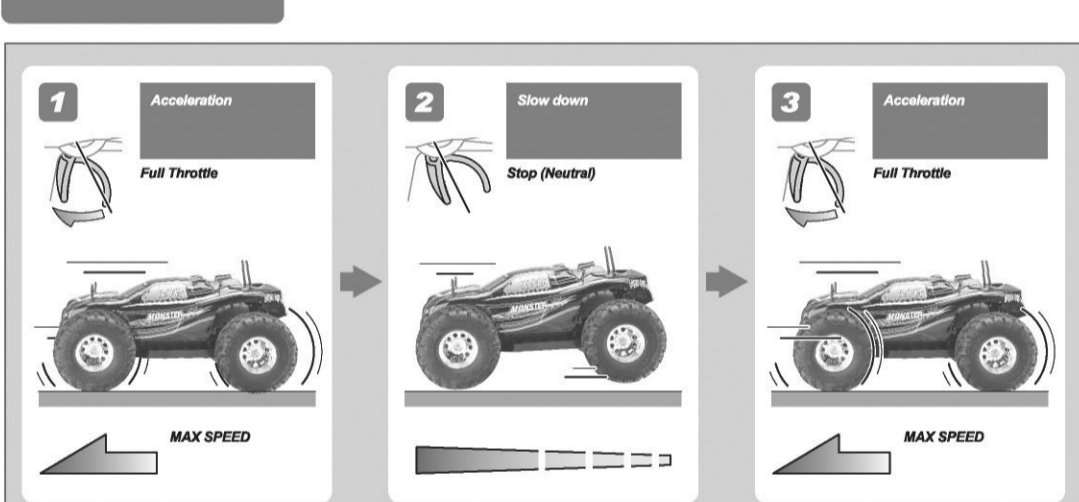
1. Place the vehicle on a stable stand with the tires not touching the ground to check the speed control operation. When the throttle trigger on the transmitter is in neutral, the LED on the speed control lights up green. Pull the throttle trigger on the transmitter slowly, the LED on the speed control will flash red. Push the throttle trigger fully, and the LED on the speed control will solid red.



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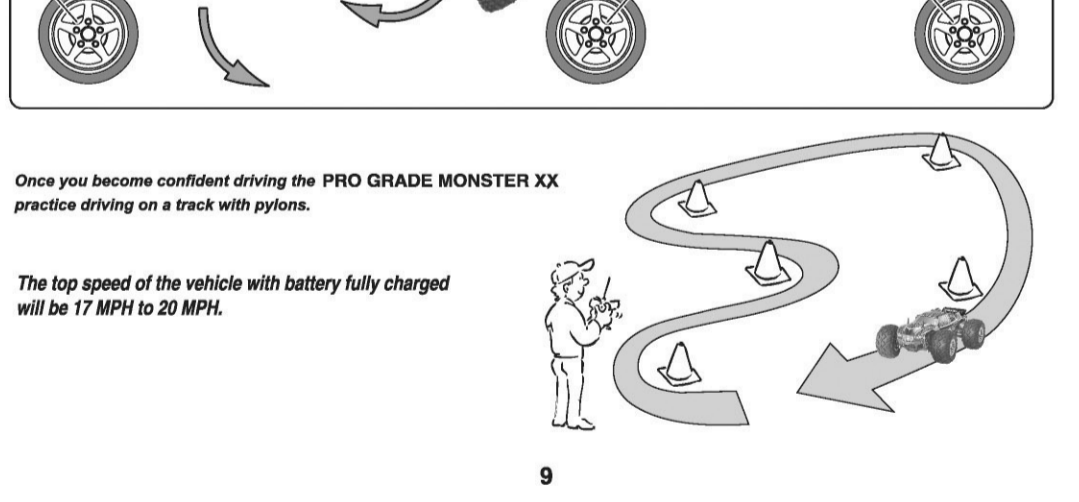
Drive slowly in the beginning.

If you keep pulling the throttle trigger on the transmitter, the truck will keep accelerating and run very fast. It is difficult to slow the truck down or stop it when you become used to driving the truck. Drive the truck slowly by pulling the throttle trigger to the LED and quickly releasing it.



1. Acceleration: Full Throttle. 2. Slow down: Stop (Neutral). 3. Acceleration: Full Throttle.

Practice turning. You can turn the PRO GRADE MONSTER XX right or left while the truck is running. When the PRO GRADE MONSTER XX is moving forward you, you need to operate the steering wheel in the opposite direction. Practice turning the truck, referring to the following: Rather than just paying attention to the direction of the steering wheel, imagine that you are in the truck, looking ahead of the PRO GRADE MONSTER XX, to turn the truck in the direction you like.

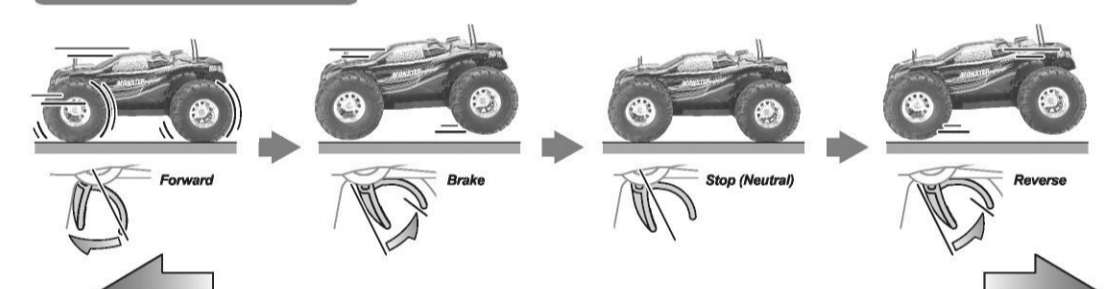


Once you become confident driving the PRO GRADE MONSTER XX practice driving on a track with pylons. The top speed of the vehicle with battery fully charged will be 17 MPH to 20 MPH.

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How to change from forward to reverse

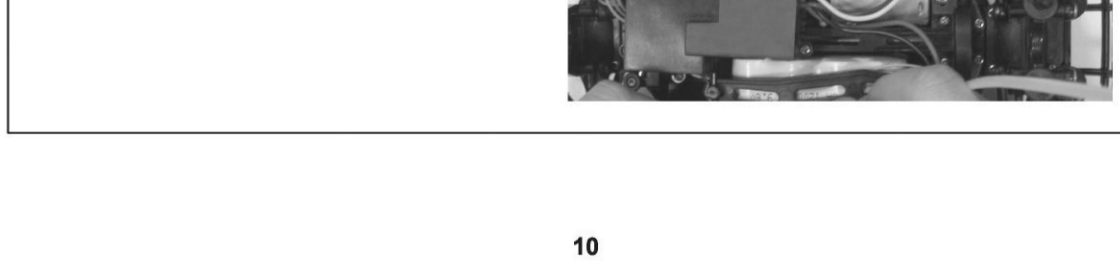
You cannot go directly from forward to reverse. The most safe way to change the direction is to release the throttle to neutral position before reversing.



Turning off the power. Attention: If you switch off the transmitter first before the RC car, you may lose control of the RC car.



1. Turn off the switch of the car. 2. Turn off the transmitter switch. Retract the antenna. The AA battery function of the speed control is activated. The Throttle Trim on the controller is not enough turned. Your battery may be low power.



3. Disconnect the battery connector from the speed control connector. Make sure to always turn off the power in this order (opposite order of turning on the power). If you turn off the power in the wrong order, the truck may run out of control and the car may be damaged. Always disconnect the battery connector from the speed control connector after driving.

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2-8 Maintenance after driving

Proper maintenance is very important. Make sure to always perform appropriate maintenance after driving so that you can enjoy driving without problems next time.

- Completely remove dirt and grease from the vehicle, especially in the suspension.
- Protect each part and screw for loosening, missing or damage.

2-9 Troubleshooting

Problem	Cause	Remedy
PRO GRADE MONSTER XX does not move.	Transmitter or receiver is off. Battery is not placed properly in the transmitter. The drive battery is not charged enough. The battery cable connector is loosed.	Turn on both transmitter and receiver. Place batteries in the transmitter properly. Charge the drive battery. Make sure the battery cable is well connected to the vehicle.
PRO GRADE MONSTER XX does not move properly.	There is not enough power in the transmitter batteries. Transmitter or receiver antenna is not fully retracted. Neutral position or trim is incorrect. The AA batteries on Controller are power off.	Replace the transmitter batteries with new ones. Fully retract both antennas. Adjust the setting site referring to Page 6. Change the batteries of controller.
PRO GRADE MONSTER XX does not accelerate properly.	The Adaptive function of the speed control is activated. The Throttle Trim on the controller is not enough turned. Your battery may be low power.	Remove dust and grass around drive or drive system. Adjusting the vehicle again before playing. Turning the Throttle Trim to left properly. And Try again. Charge the battery.
Wheels Are Shaking, Not Steady While Driving	The screw of the wheel is loosed.	Make sure the screw is firmly installed on the wheel.
Controller's Indicator Light is off	The AA battery is out of power. The AA battery is not properly installed.	Change the battery or reinstall battery with correct pole directions.
Pro Grade Monster XX steering is straight	The proportional steering trim on the controller is not in the correct position.	Re-adjust the proportional steering trim and test the vehicle again.
Pro Grade Monster XX cannot turn left or right	The cables on the receiver are not stable	Make sure the cables are connected to the receiver well.

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Multi Channel System Instruction:

Multi-Channel Operations Tips:

- Your vehicle features the advanced Extreme Machines Multi-channel system. This system allows you to race your vehicle against up to 5 of your friends (up to 6 drivers total) without any radio interference from your friends' transmitters or vehicles. You must play with another multi-channel equipped vehicle for this feature to work. (Once up to 6 cars at once when using both the 2.7MHz and 4.9MHz frequencies.)
- There's one multi-channel selector switch on your vehicle's chassis and another one on the transmitter.
- The vehicle's switch has 3 positions one for each multi-channel setting.
- The transmitter switch also has 3 positions one for each multi-channel setting.



For successful operation, the vehicle switch and the transmitter switch must be set to the same multi-channel setting. When you're driving by yourself, you can set the switches to any of the available multi-channel settings, as long as the setting on the vehicle matches the setting on the controller.

- Each vehicle's frequency is pre-set (not adjustable) for 49 MHz. But its channel is adjustable A, B, or C. Before operating, make sure your vehicle and transmitter are set to the same channel. When operating with other vehicles, make sure you have a different combination of frequency and channel than the other vehicles. For example, 2.7MHz A channel can only run with 2.7MHz B or C channel, or 4.9MHz A, B, or C channel, but it cannot run with another vehicle at 2.7MHz A channel. Up to 6 different vehicles can operate together with both 2.7 & 4.9 MHz frequencies.
- When you want to play head-to-head, make sure that each driver (up to 6 drivers total) has a vehicle and transmitter set to a different multi-channel setting.
- To operate your vehicle with transmitter: First turn on the transmitter.
- Set the Multi-Channel selector on the vehicle to the same channel as the transmitter.
- Turn the vehicle's ON/OFF switch to the ON position.
- You must be playing against another Extreme Machines multi-channel equipped vehicle. Operating two vehicles on the same channel will cause interference. When operating with another non-multi-channel vehicle, make sure that vehicle operates under a different frequency than yours.
- If you need to change the multi-channel settings, first make sure that your vehicle is turned OFF. Change the switch position as desired, making sure to change both the transmitter and vehicle channel settings. Then turn your vehicle back ON, for more playing action. Note: make sure you're not using the Transmitter Controller while changing the selector switch position.

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NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.