

En *Instruction Manual*

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РАДИОУПРАВЛЯЕМАЯ МОДЕЛЬ НРІ



hpi-racing

En Thank you

- Thank you for selecting this HPI RACING product ! This kit is designed to be fun to drive and uses top quality parts for durability and performance. The instruction manual you are reading was designed to be easy to follow yet thorough in its explanations. HPI Racing wants you to enjoy driving your new R/C kit. If you come across any problems or need some help getting through a step, give us a call and we will do our very best to help you. You can also contact us on the internet at www.HPIracing.com.
- This is a high performance R/C kit, and it requires regular maintenance for best performance. If you don't do regular maintenance the performance will suffer. HPI has all the necessary parts and accessories available to keep your car performing at its best.
- The caution or attention symbols will warn you about steps that can be very dangerous. Please read and understand the instructions carefully before proceeding.



Cautions
Warnhinweise
Précautions
警告

Failure to follow these instructions can damage your kit, and cause serious bodily injury or death.



Attention
Achtung
Attention
注意

Failure to follow these instructions can cause injury to yourself or others. You might also cause property damage or damage your kit.

- | | |
|-------------------------|--|
| Before Running | ● Please read manual (with parent, guardian or a responsible adult if necessary). |
| While Operating | ● Please do not run on a public street, this could cause serious accidents, personal injuries and/or property damage.
● Please do not run near pedestrians or small children.
● Please do not run in small or confined areas. |
| Before Operating | ● Make sure that all screws and nuts are properly tightened.
● Always use fresh batteries for your transmitter and receiver to avoid losing control of the model.
● Make sure no one else is using the same radio frequency as you are using.
● Please confirm the neutral throttle trigger position. |
| After Running | ● Turn OFF receiver first, then turn OFF transmitter. This will prevent the car from losing control.
● After running HPI RACING product, it is necessary to perform routine maintenance. Failure to do this can result in increased wear and damage to the engine and chassis. |
| Battery safety | ● Please be careful when handling the battery. It will be hot after running. If the wire is frayed, a short circuit can cause a fire. |

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HPI RACING !



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- 8.
- 9.
- 10.
- 11.
- 12.

En Contents

Section	Contents	Page
1	Overview	3
2	Start Up Guide	4
2-2	Setup Before Starting	4
2-3	Radio Control Car Operating Procedures	6
3	Trouble Shooting	10
4		12

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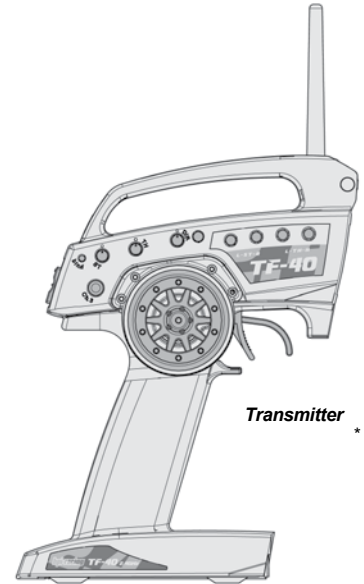
1	3
2	4
2-1	4
2-2	6
3	10
4	12

1 Overview

Components

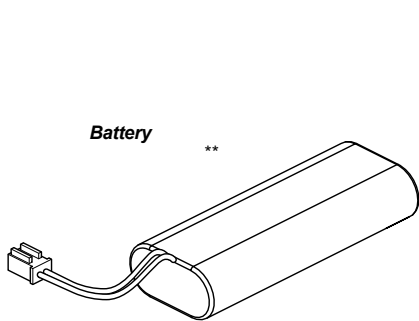


Radio control car *

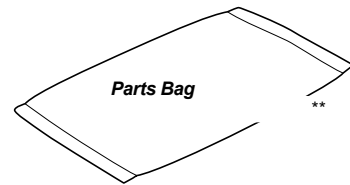
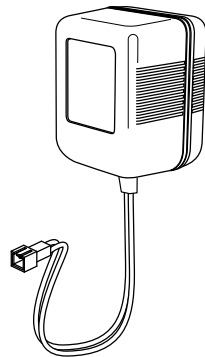


Transmitter *

Battery Charger **



Battery **



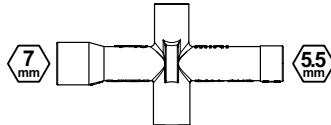
Parts Bag **

Included Items



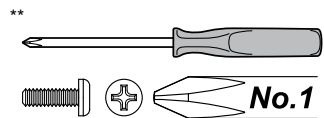
Allen Wrench **

1.5 mm Z901



Z950 Cross Wrench

Screwdriver (No 1) **



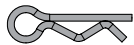
No.1

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2-1 Setup Before Starting

1 Preparing The Chassis

Removing the Body

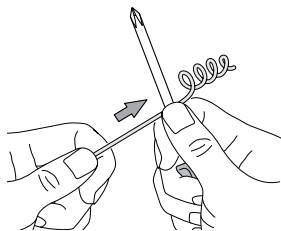


Body Pin (Small)



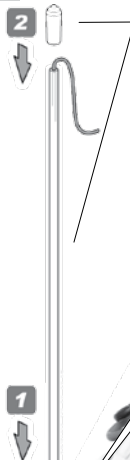
Receiver Antenna Installation

Straighten antenna with a screwdriver so it is easier to insert into antenna tube.

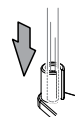


! Do not cut or shorten antenna wire.

Antenna Pipe



Make sure antenna is fully inserted.



2 Charging The Drive Battery



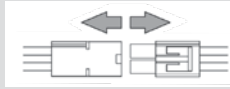
Charge time 4 hours.
4



Battery Charger

Plug into a wall outlet
220

After charging disconnect the battery and unplug the charger from wall.
220



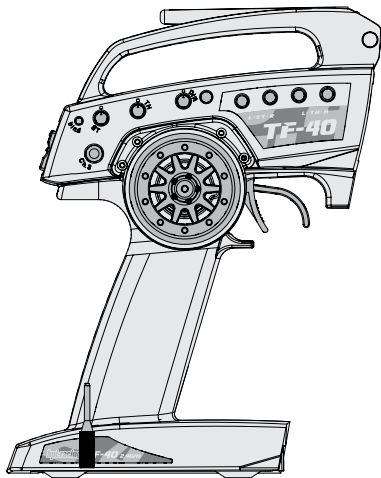
Attention

- This charger can be used only with the included battery. Do not use it with other batteries. There is risk of damage and possible explosion, etc...
- Do not charge the battery for over 4 hours. Over charging the battery generates excessive heat and will damage the battery.
- Please use the battery charger with adult supervision. Do not use it near water or when wet.
- Do not use the battery charger if the wire is frayed or worn.

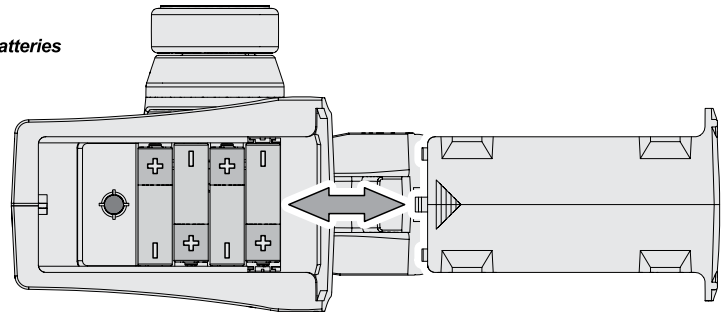
After the first time charging battery.

If take 4 hours to charge a completely discharged battery. Run the battery until it is discharged before charging again.

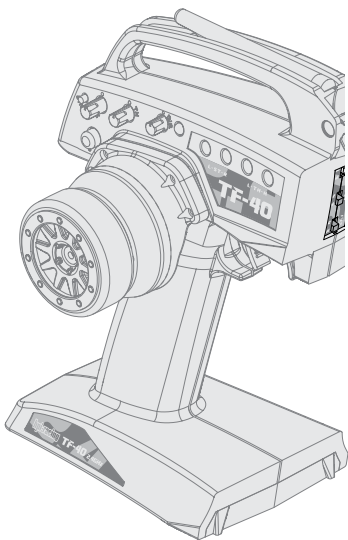
3 Transmitter Preparation



AA Alkaline Batteries



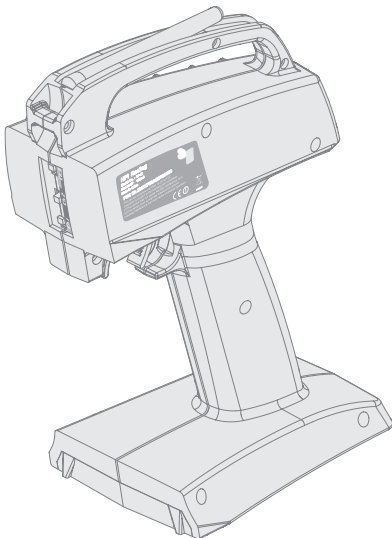
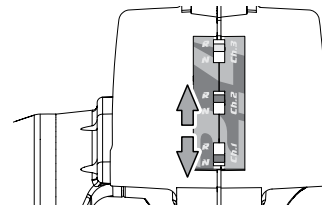
Open battery cover at the bottom of transmitter. Install batteries. Follow the direction of batteries designated in the inside of battery box.



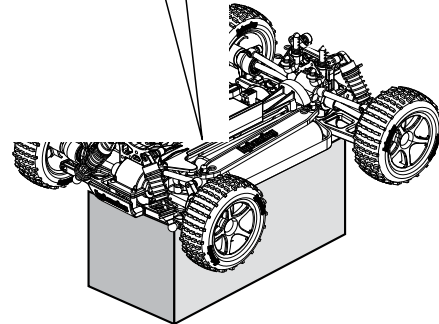
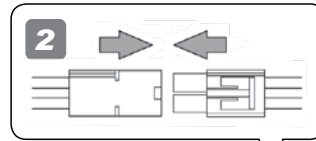
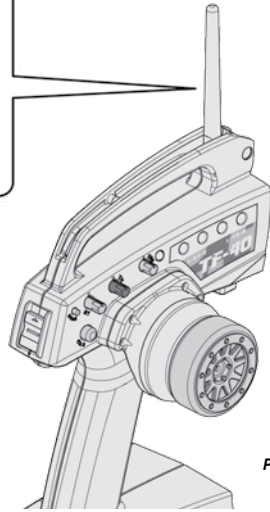
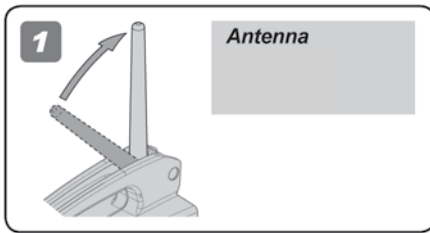
1

Reverse Switch

Switch factory setting.



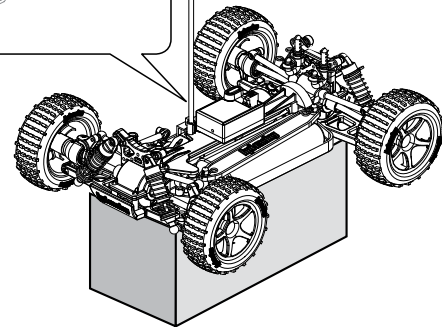
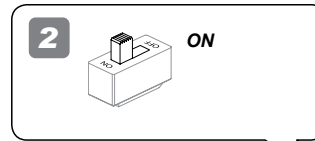
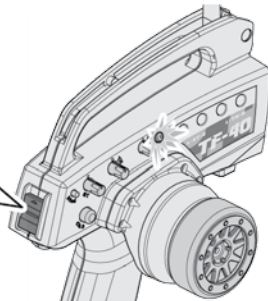
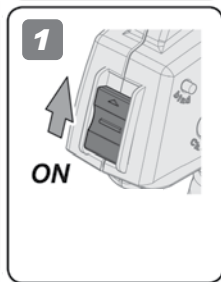
1 Extend the antenna



Put the car on a stand, with wheels off the ground and connect battery.

2 Activating R/C Unit

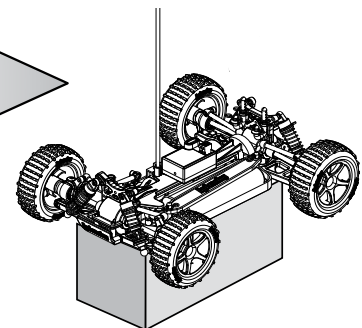
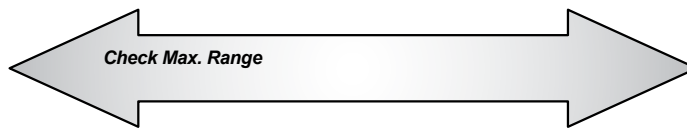
! Turn on transmitter first, then turn on receiver.



3 Checking Radio Range

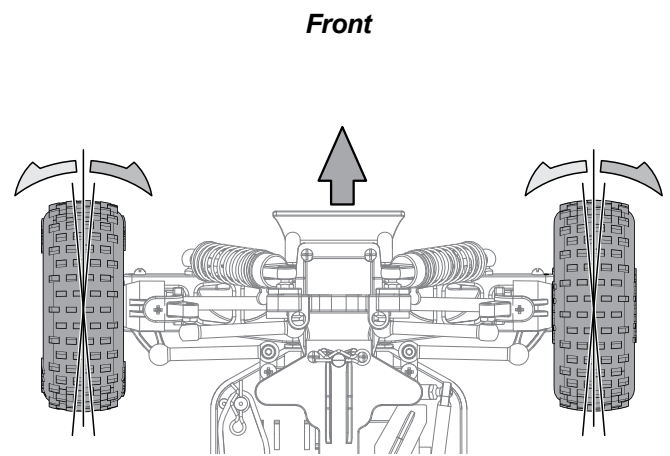
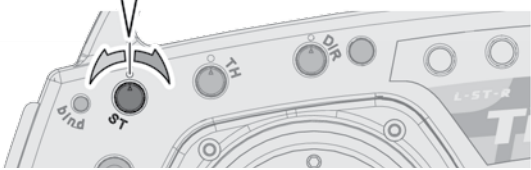
Make sure no one else is using the same radio frequency as you are using. Check the radio system and range before every driving session. To properly check the range, have a friend hold the car and walk to the farthest distance that you plan to operate your model. Operate the controls to make sure the model responds correctly. Do not operate the model if there is any problem with the radio system. If you switch on the R/C car first before the transmitter, you may lose control of the R/C car.

(2.4)



4 Steering Trim Setup

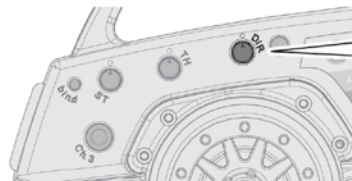
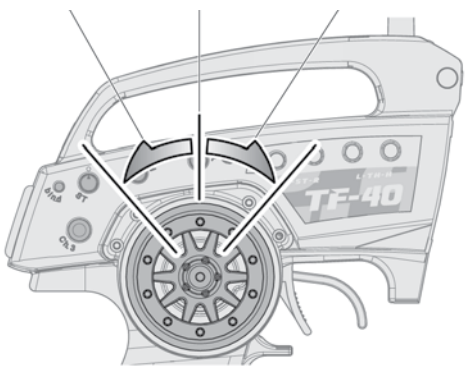
Steering Trim
 Turn steering trim to set tires in completely centered position.



5 Transmitter Operation

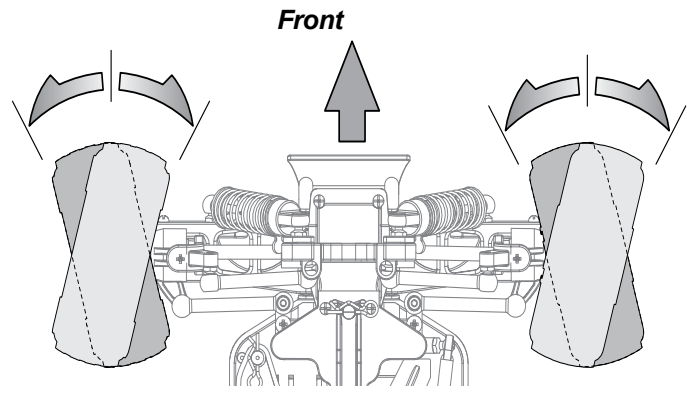
Steering Wheel

Left turn Straight (Neutral) Right turn



Steering Dual Rate
 D/R

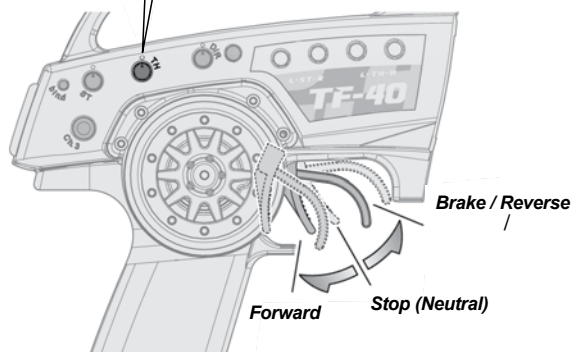
D/R



Throttle Trigger

Throttle Trim
 TH

If your vehicle is moving, adjust the throttle trim until it stops.

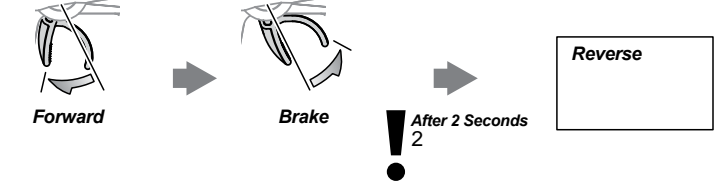


Reverse operation
 • A and B show the two ways to go in reverse.

A Stop → Reverse



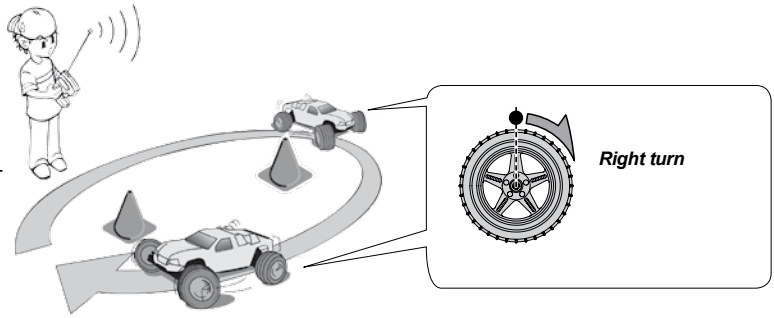
B Forward → Brake (2 Seconds) → Reverse



6 Practice Turning

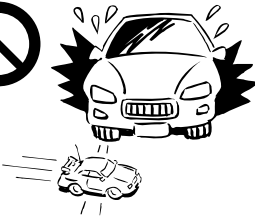
Install body and enjoy! Allow the car to cool down for 15 minutes between each run. When the car is running toward the driver, the directions of the steering wheel are reversed. Once you become comfortable driving the Mini Recon, practice driving on a track with pylons.

15



Cautions · Attention

Do not drive Model in the following places.



Do not run on public streets or highways. This could cause serious accidents, personal injuries, and/or property damage.



Do not run in water or sand.



7 Turning R/C Unit Off



Attention

Turn off receiver first, then turn off transmitter.

If you switch off the transmitter first before the R/C car, you may lose control of the R/C car.

1



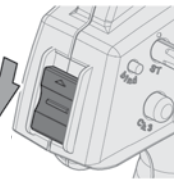
OFF



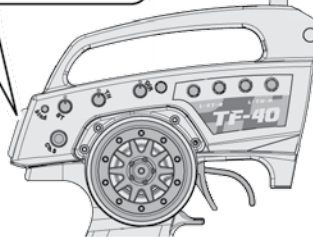
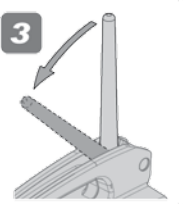
! Turn off receiver first, then turn off transmitter.

2

OFF



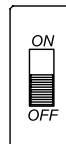
3



Cautions

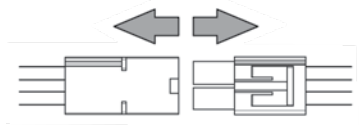
Make sure receiver is turned OFF before connecting the battery, the vehicle may run out of control.

1



OFF

2



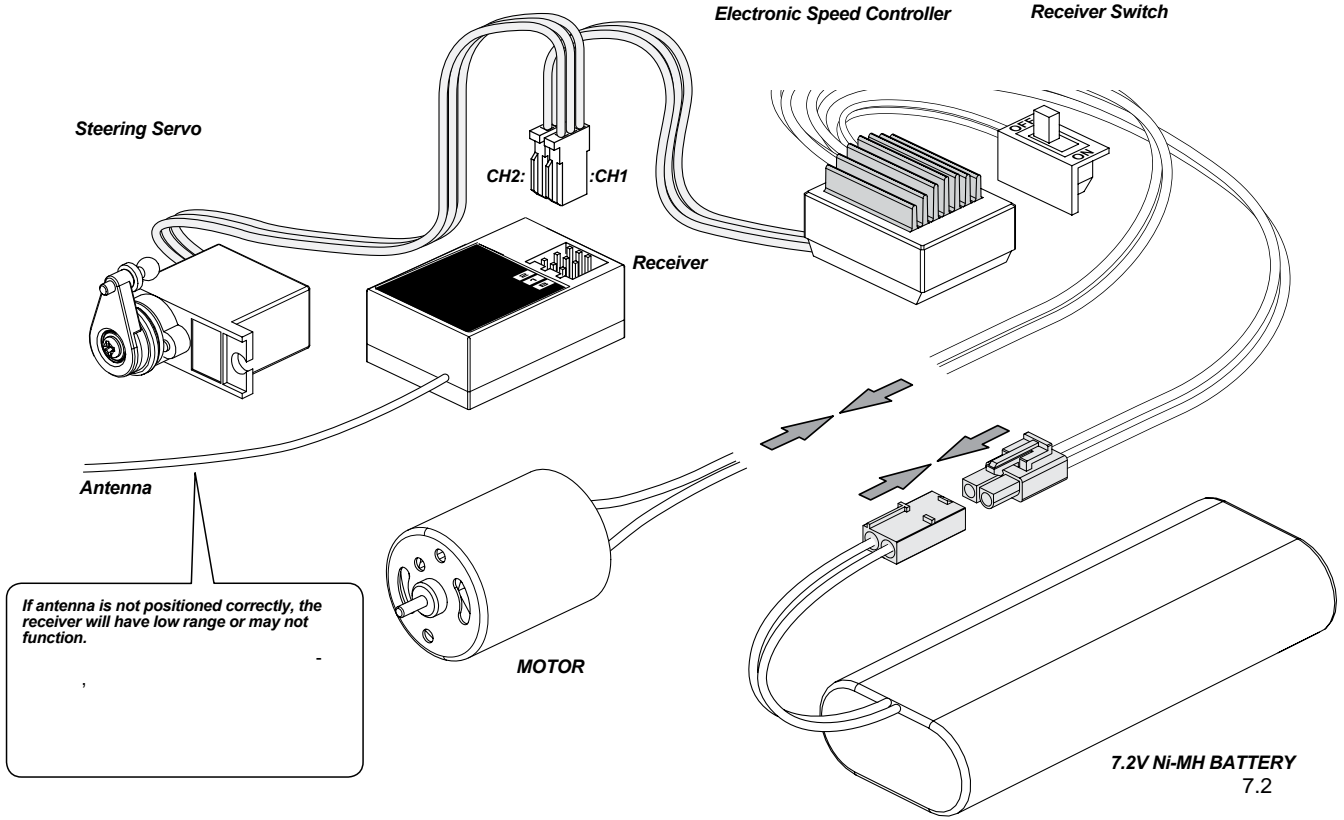
3 Trouble Shooting

If R/C car does not move or you have no control, see below.

Problem	Cause	Remedy	Section
Does Not Move.	<i>Battery is not placed properly in the transmitter.</i>	<i>Place batteries in the transmitter properly.</i>	4
	<i>Weak or no battery in model.</i>	<i>Install charged battery.</i>	4
	<i>Damaged motor.</i>	<i>Replace with new motor.</i>	
	<i>Frayed or broken wiring.</i>	<i>Splice and insulate wiring completely.</i>	
	<i>ESC is shut down by heat protection circuit.</i>	<i>Stop driving immediately, do not drive the car until the Speed Controller cools down.</i>	11
No Control.	<i>Weak or no batteries in transmitter or model.</i>	<i>Install charged or fresh batteries.</i>	4
	<i>Improper antenna on transmitter or model.</i>	<i>Fully extend antenna.</i>	4
	<i>Neutral position or trim is incorrect.</i>	<i>Adjust the steering trim referring to Page 10.</i>	8
Steering and Throttle Function Reversed.	<i>Servo reverse switch is in wrong position.</i>	<i>Set to correct position see page 9.</i>	6
	<i>Please check that the wires from ESC to motor are connected properly.</i>	<i>Refer to page 20. It will show how to connect the motor.</i>	11

Receiver and Servo

Receiver Connections



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