



Thank you for choosing the Team Magic 4SETH. It is designed to be fun to drive and usestop quality parts for performance and durability. Before you start building your new R/C kit, we suggest you read though the instruction manual first. Be sure to check all assembly and performance tips before you start. We hope you enjoy the building processes.

### **General Building Tips:**

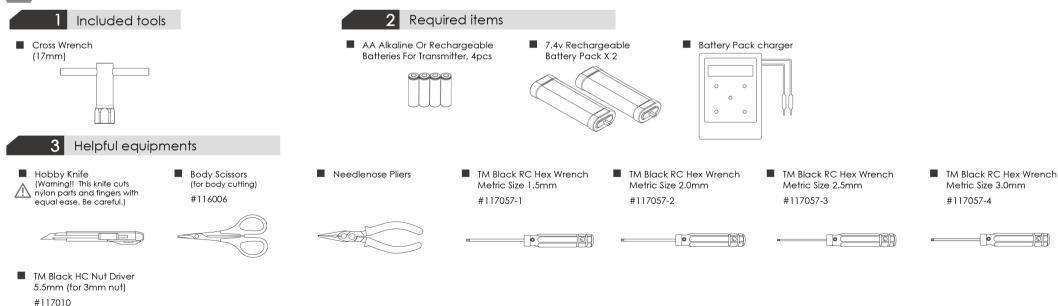
- ▶ Read the instruction manual before building.
- ▶ Clear a work area and try to work on a light color towel to avoid missing dropped parts.
- ▶ Don't over-tighten fasteners. Many assembly problems are caused by over-tightening screws or nuts. Don't use too large a grip. Please go slowly and feel the resistance build. Just snug it up.
- When it doesn't fit, please double check. If an assembly is not going together correctly, then either there really is a bad fit (e.g. a part is damaged or defective) or a mistake in assembly.
  Always re-read the instructions when there are any problems. If you cannot figure out what's wrong, please ask dealer, distributor or Team Magic. Don't use force beyond what the instructions call for.
- ▶ Using the right tools makes assembly much easier. The instructions below finely indicate you what tools to get to make things easier. We don't want to scare you by saying that all these tools are required, but you will have a easier time if you have them. Borrow them from a friend to check if necessary.
- ▶ The assembly is arranged so that you will open the bag and finish that bag before you go on to the next bag. Sometimes, you will have parts remaining at the end of a bag. These will become part of the

### A Good Dealer Is Extremely Important!!

A good hobby dealer can help you with most assembly problems you might encounter. Bring your problematic parts to the dealer and, most likely, you'll walk away soon thereafter with the problem solved. If you think that you really don't have the mechanical skills to complete the assembly, you may pay your dealer to finish the job for you.

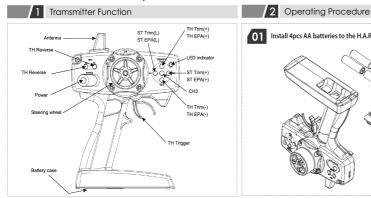


Thank you for purchasing the 4SETH. To drive the car, you will need to check the following procedures.

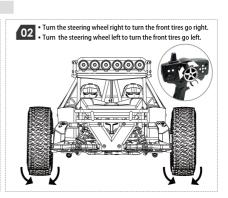


# **>>> LIZETH (((**

## ▶Instruction & Setup Manual



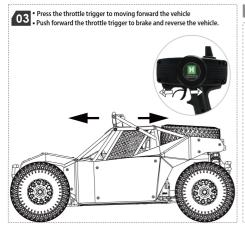




Binding button

CH3 Port CH2 Port

CH1 Port



Binding (connecting the receiver to transmitter)

## **Binding the Receiver to the Transmitter**

"Binding" is tuning the receiver to the frequencies used by the transmitter. Bind the receiver to the transmitter



- 1. With both transmitter and receiver turned off, place the units no more than 30 cm (1 ft) apart.
- 2. While holding down the receiver's BIND button, apply power to the receiver. Its LED will start to flash steadily, indicating that the unit is in binding mode, a state that lasts up to 30 seconds.

LED Indicator

- 3. Turn the transmitter on. It will immediately go into binding mode, a state that lasts one second.
- 4. When the receiver's LED shines steadily, binding is complete.





purchasing our Electronic Speed Controller (ESC). The power system for RC models on please read this manual carefully. In that we have no control over the correct or or maintenance of our products, no flability shall be assumed nor accepted for any daulting from the use of the product. Any claims arising from the operating, failure demies. We assume on liability for personal injury, consequential damages reauting for

- Completely water-proof and dust-proof. The ESC works properly even under water.

  (Please remove the cooling fain when running car in water, and after running, please make the ESC clean and then dry it to avoid the coxidation of copper commenters).

  Any of the control of the c

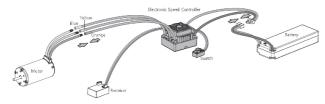
- ith the mechanical disc-brake system. action features: Low voltage cut-off protection / Over-heat protection / Throttle signal loss protection / Motor blocked

Easily programmed with the SET button of the ESC, and also compatible with pocket-sized Program C

02 Specifications		
Model	WP-8BL100-RTR	WP-8BL150-RTR
Cont./Burst Current	100A/650A	150A/950A
Motor Supported	Sensored / Sensorless Brush	less Motor (only in sensorless mode)
Cars Applicable	1/8 Touring Car , SCT, Buggy Incl. Traxxas 1/10 Truggy, Buggy	1/8 Touring Car, Truggy, Buggy, Monster
Motor Limit	3S LiPo : 4068 size motor, KV≤3000 4S LiPo : 4068 size motor, KV≤2400	4S LiPo : 4274 size motor, KV≤3000 6S LiPo : 4274 size motor, KV≤2400
Resistance	0.0005 ohm	0.00035 ohm
Battery	8-12 Cells NiMH, 3-4S LiPo	8-18 Cells NiMH, 3-6S LiPo
BEC Output Note 1	6V/5A	, Switch mode
Programming Port	FAN	/ PRG Port
Dimension	59.5(L)	× 48(W) × 42(H)
Weight (With Wires)	173g	178g

NOTE1: The cooling fans of ESC is supplied by the built-in BEC, so it is always working under 6V 03 Begin To Use The New ESC

# WARNING! For safety, please always keep the wheels away from the track when switching on the ESC. Connect The ESC, Motor, Receiver, Battery And Servo The #A. #B. #C wires of the ESC can be connected with the motor wires freely (without any sequence). If the direction, please swap any two wire connections.



Throttle Range Setting (Throttle Range Calibration) order to make the ESC match the throttle range, you must calibrate it when you begin to use a new ESC, or a new transmitter, or change settings of neutral position of the throttle stick. ATV or EPA parameters, etc. e following pictures show how to set the throttle range with a Futaba<sup>TM</sup> transmitter.

A) Switch off the ESC, turn on the transmitter, set the direction of throttle channel to [REV], set the [EPA/ATV] value of throttle channel to [100%], and disable the ABS function of your transmitter.

B) Hold the [SET] key then turn on the ESC, when 

Note2: If you don't release the "SET" key as soon as the red LED begins to flash, the ESC will enter the program mode, in such a case, please switch off the ESC a

C) Set the 3 points according to the steps shown in the pictures on the right side.

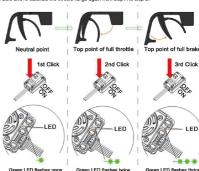
## 1) The Neutral Point

Move the throttle stick at the neutral point, then click the SET key, the green LED will flashes1 time. 2) The End Point of Forward Direction

## Move the throttle stick at the end point of forward direstion, then click the SET key, the green LED will flashes 2 times. 3) The End Point of Backward Direction

Move the throttle stick at the end point of backward direstion, then click the SET key, the green LED will flashes 3 times.

D) Throttle range is calibrated; motor can be started 3 seconds.



- Check LED Status In Normal Running
   When the throttle stick is in the neutral range, neither the Red LED nor the Green LED lights up.
   When the armoves forward, the Red LED solidly lights, the Green LED also lights up when the throttle stick is at the top position (100% throttle).
   When the car brakes, the Red LED solidly lights; the Green LED also lights up when the throttle stick is at the bottom position and the maximum brake force is set to 100%.
   When the car reverses, the Red LED solidly lights.

Programmable									
Items	1	2	3	4	5	6	7	8	9
1. Running Mode	Forward with Brake	Forward/Reverse with Brake	Forward and Reverse						
2. Drag Brake Force	0%	5%	10%	20%	40%	60%	80%	100%	
Low Voltage     Cut-Off Threshold	Non-Protection	2.6V/Cell	2.8V/Cell	3.0V/ Cell	3.2V/ Cell	3.4V/ Cell			
4. Start Mode(Punch)	Level1	Level2	Level3	Level4	Level5	Level6	Level7	Level8	Level9
5. Max Brake Force	25%	50%	75%	100%	Disabl e				



1. Programmable Values

1.1. Running Mode: In "Forward with Brake" mode, the car can go forward and brake, but cannot go backward, this mode is suitable for competition: "Forward/Reverse with Brake" mode provides backward function, which is suitable for daily training.

Note: "Forward/Reverse with Brake" mode uses "Foouthe-click" method to make the car go backward. When you move the throttle stick from forward zone to backward zone for the first time (The "1" click"), the ESC begins to brake the motor, the motor speed sown but it is still running, not completely stoped, so the backward action is NOT happened immediately. When the throttle stick is moved to the backward zone again (The 2"d 'click'), if the motor speed is slowed down to zero (i.e. stopped), the backward action will happen. The "Poblube-Click" method can prevent mistakenly reversing action when the trake function is frequently used in steering.

By the way, in the process of braking or reversing, if the throttle stick is moved to forward zone, the motor will run forward at once.

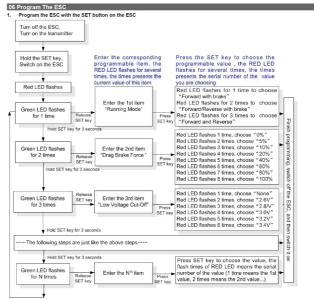
"Forward/Reversee" mode uses "Single-click" to make the car go backward. When you move the throttle stick from forward zone to backward zone, the car will go backward immediately. This mode is usually used for the Rock Crawler.

2. Tars Brake Reverse Still the annount of dependent applied of the Rock Crawler.

- 1.2. Drag Brake Force: Set the amount of drag brake applied at neutral throttle to simulate the slight braking effect of a neutral brushed motor while coasting.
- 1.3. Low Voltage Cut-Off: The function prevents the lithium battery pack from over discharging. The ESC detects the battery's voltage at any time, if the voltage is lower than the threshold for 2 seconds, the output power will be cut off, and the red LED flashes in such a way
- 1.4. Start Mode (Also called "Punch"): Select from "Level1" to "Level5" as you like. Level1 has a very soft start effect, while level9 has a very aggressive start effect. From Level1 to Level6, the start force is increasing. Please note that if you choose "Level7" to "Level6" mode, you must use good quality battery with poverful discharge ability, otherwise these modes cannot get the bust start effect as you want. If the motor cannot run smoothly (that means the motor is trembling), it may caused by the weak discharge ability of the battery, please choose a better one or a softer gear ratio.

Reset All Items To Default Values ny time when the throttle is located in neutral zone (except in the throttle calibration or parameters program process), hold the "SET' key year 3 seconds, the red LED and green LED will flash at the same time, which means each programmable item has be reset to its default

value. It needs to be restarted to comp		means can programmable term has be reser to its details
05 TROUBLE SHOOTING		
Trouble	Possible Reason	Solution
After power on, motor doesn't work, and the cooling fan doesn't work	The connections between battery pack and ESC are not correct	Check the power connections Replace the connectors
After power on, motor can't work, but emits "beep-beep-, beep-beep-" alert tone. (Every "beep-beep-" has a time interval of 1 second )	Input voltage is abnormal, too high or too low	Check the voltage of the battery pack
After the ESC was powered on and finished LiPo cells detection (the GREEN LED flashed N times), and then the RED LED flashed rapidly.	The ESC didn't detect any throttle signal.     The neutral throttle value stored on your ESC is different from the value stored on the transmitter.	Check if the throttle wire is reversely plugged in or in the wrong channel and if the transmitter is turned on.     Re-calibrate the throttle range after you release the throttle trigger to the neutral position.
The motor runs in the opposite direction when it is accelerated	The (ESC-to-motor) wiring order was incorrect.     Your chassis is different from popular chassis.	Swap any two wire connections between the ESC and the motor.
The motor suddenly stops running	The throttle signal is lost	Check the transmitter and the receiver Check the signal wire from the throttle channel of your receiver
while in working state	The ESC has entered the Low Voltage Protection Mode or Over-heat Protection Mode	Red LED flashing means Low Voltage. Green LED flashing means Over-heat
The LED program card kept display 3 short lines () after you connected it to your ESC.	The programming card/box was connected to the ESC via the throttle control cable (Rx cable).	It is wrong to use the Rx cable to connect programming card/box. The programming port of this ESC is also the fan port, so please connect the ESC and programming card/box by plugging the programming cable into the fan port.
The vehicle could run forward (and brake), but could not reverse.	The throttle neutral position on your transmitter was actually in the braking zone.     Set the "Running Mode" improperly.     The ESC was damaged.	1. Re-calibrate the throttle neutral position. No LED on the SSC will come on when the throttle trigger is at the neutral position. 2. Set the "running mode" to "Forward/Reverse with Brake". 3. Contact the distributor for repair or other customer services.
The car ran forward/backward slowly when the throttle trigger was at the neutral position.	The neutral position on the transmitter was not stable, so signals were not stable either.     The ESC calibration was not proper.	Replace your transmitter     Re-calibrate the throttle range or fine tune the neutral position on the transmitter.



- e:

  In the program process, the motor will emit "Beep" tone when the LED is flashing.

  We use a long time flash and long "Beep—" tone to represent number 15" for easily identify the items of the big number "Along time flash" (Motor sounds "B—") = the No. 5 item

  "Along time flash = 2 short times flash" (Motor sounds "B—BB") = the No. 6 item

  "Along time flash = 2 short times flash" (Motor sounds "B—BB") = the No. 7 item

  "Along time flash = 3 short times flash" (Motor sounds "B—BB") = the No. 8 item

  "Along time flash = 3 short times flash" (Motor sounds "B—BBB") = the No. 9 item

- Program the ESC with the LED program box

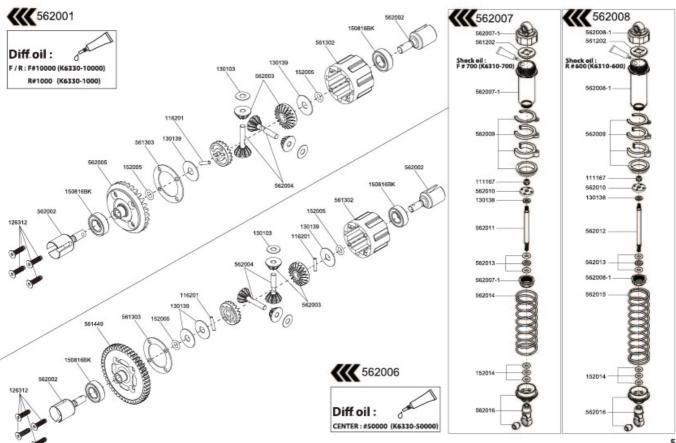
The Program Card is optional equipment which needs to be purcha separately, it has 3 digital LEDs to display the programmable items' numb and the options' number. (Please refer to the user manual of the program card for detail info)



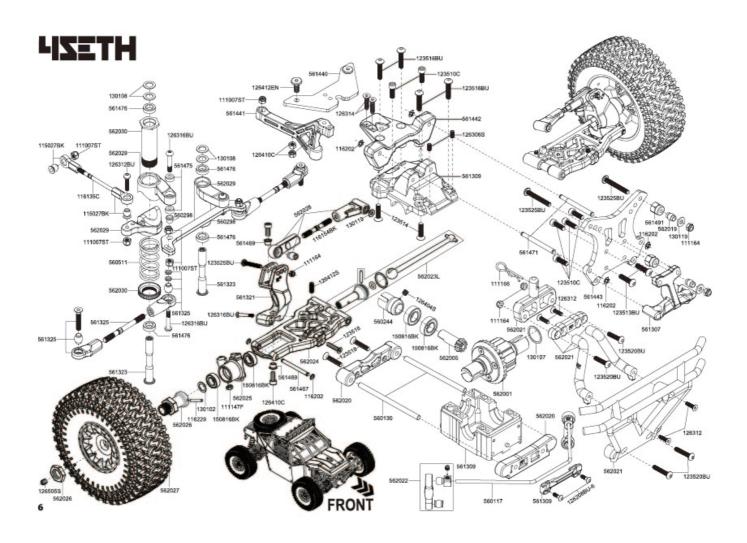
The Rx wire of the ESC (for connecting receiver) CANNOT be used to connect with the LED Program Card. Please only use the special port between the terminals ABC to connect with the Program Card.

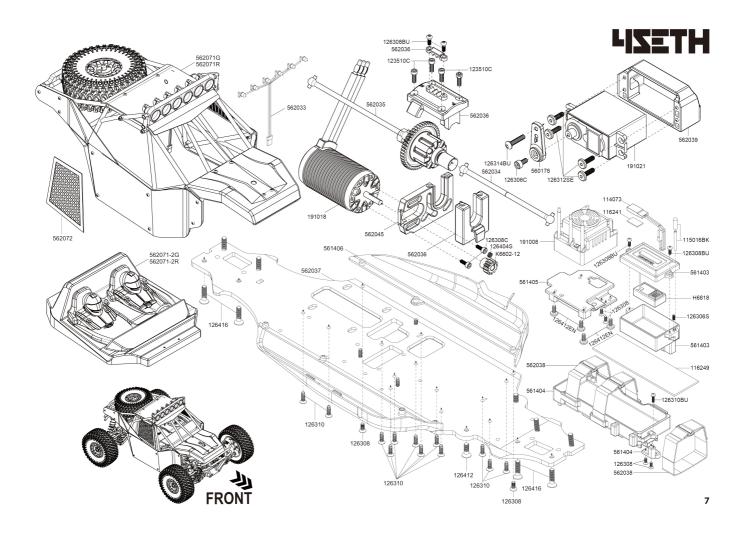


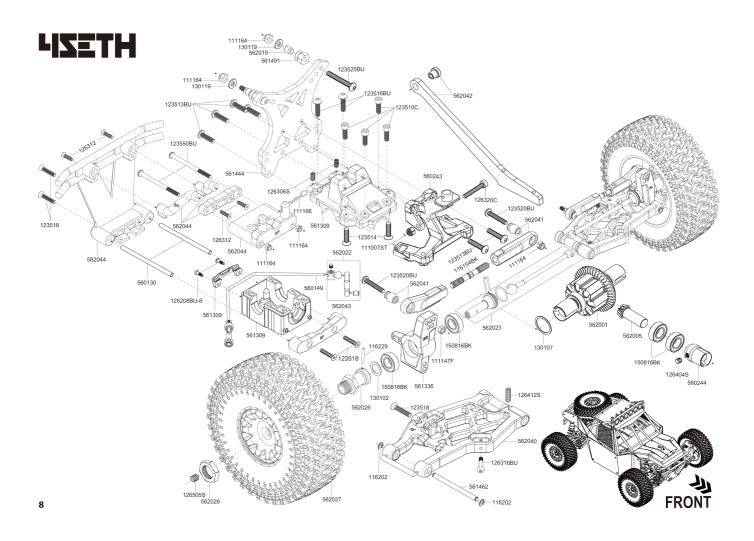
# HTEZIL



5







# » HTEZH ««

	PARTS
llem No.	llem Description
111007ST	3mm Steel Locknut (10)
111147F	3.5mm Steel Flat Nut (6)
111164	3.5mm Lock Nut (10)
111166	R8 Angled Body Clip (10)
111167	2.6mm Lock Nut (10)
114073	Singal Extension Cord 12cm (2)
115016BK	Antenna Rod (2) BLACK
115027BK	Ball End & S.8mm Single Flanged Steel Ball (6) Black
116135C	3x50mm CR Adjustable Rod (2)
116154BK	5x40mm Hardened Adjustable Rod -BK (2)
116201	2x10.8mm Pin (10)
116202	E-clip 2.5 (10)
116229	2.5x16.8mm PIN(10)
116241	3M Double Side Tape 4x2.2cm
116249	EVA Tape 4x14cm
123510C	3.5x10mm Steel Cap Screw (6)
123513BU	3.5x13mm Steel Button Head Screw (6)
123514	3.5x14mm Steel FH Screw (6)
123516BU	3.5x16mm Steel BH Screw (6)
123518	3.5x18mm Steel FH Screw (6)
123520BU	3.5x20mm Steel BH Screw (6)
123525BU	3.5x2Smm Steel BH Screw (6)
123550BU	3.5x50mm Steel BH Screw (6)
126208BU-6	2.6x8mm Steel Button Head Screw(6)
126306C	3x6mm Cap Screw (6)
1263065	3x6mm Set Screw (6)
126308	3x8mm Steel F.H. Screw (6)
126308BU	3x8mm Steel Button Head Screw (6)
126308C	3x8mm Steel Cap Screw (6)
126310	3x10mm Steel F.H. Screw (6)
126310BU	3x10mm Button Head Screw (6)
126312	3x12mm Steel F.H. Screw (6)
126312BU	3x12mm Button Head Screw (6)
126312SE	3x12mm Steel Flat Round Servo Mount Screw (6)
126314	3x14mm Steel FH Screw (6)
126314BU	3x14mm Button Head Screw (6)
126316BU	M3X16mm BH Screw(10)
126320C	3x20mm Cap Screw (6)
1264045	4x4mm Set Screw (6)
126410C	4x10mm Steel Cap Screw(6)
126412	4x12mm Steel F.H. Screw (6)
126412EN	4mm Steel Flat Round Engine Mount Screw (6)
1764175	dv12mm Set Screw (6)

	PARTS
Ilem No.	llem Description
126416	4x16mm Steel FH Screw (6)
1265055	M5x5mm Set Screw(6)
130102	8.1x12x0.2mm Shim (10)
130103	4.2x10x0.2mm Shim (6)
130107	13.2x15.9x0.5mm Shim (6)
130108	6.05x9.5x0.5 mm Shim(10)
130119	3.6x8x1mm Washer (10)
130138	3.5x7x1 Washer (10)
130139	5.2x15x0.5 Washer (10)
150816BK	8x16x5mm Bearing-Black
152005	O-Ring 4.7X1.4mm(10)
152014	3.9x2.0 O-RING (10)
191008	THOR WP-8100 ESC for Brushless Motor (14.8V)(3-45
191018	THOR 4068 Brushless Motor 2500KV (14.8V)
191021	\$1601 Servo 16KG
560117	Front Anti-Roll Bar 2.4mm
560130	ST Steel 4x68.8mm Hinge Pin (2)
560149	Rear Anti-Roll Bar 2.8mm
560178	Servo Arm (Futaba) (2)
560243	Rear Body Mount
560244	ST Steel Small Bevel Gear Outdrive (2)
560298	Steering Linkage Set
560511	Servo Saver Spring (1.5mm) Blue
561202	MS Neo-Shock Bladder (4)
561302	Diff Case Set
561303	Diff Case Gasket (4)
561307	Front Shock Tower Stiffener
561309	Front & Rear Diff Gear Box (1 set)
561321	Caster Block (1 pair)
561323	Servo Saver Post (2)
561325	Steering Rod Nylon Ball & Ball End Set
561336	Rear Hub Carrier & Mud Sweeper (1 pair)
561403	Receiver Bax
561404	Battery Box
561405	ESC Mount
561406	Side Guard
561440	Triangle Plate (Front)
561441	Front Stiffener
561442	Front Upper Arm Mount
561443	Front Shock Tower
561444	Rear Shock Tower
561449	46T Main Gear
561467	Rear Lower Outer Hinne Pin(7)

	PARTS
Item No	. Item Description
561467	Front Lower Outer Hinge Pin(2)
561469	Steering Block Carrier Bushing (4)
561471	Front Upper Inner Hinge Pin(2)
561475	3x7x3mm Steel Bushing(4)
561476	6x10x3mm Steel Bushing(4)
561491	Shock Cap Bushing (4)
562001	Complete Differential Kit (F/R)
562002	F/R Differential Outdrive (2)
562003	Differential Bevel Gear Set (for 1 diff)
562004	Differential Bevel Shaft (2)
562005	Machined Bevel Gear - 29T/9T
562006	Center Differential Set
562007	Shock Absorber Set-Front (2)
562007-1	Shock Body - Front (2)
562008	Shock Absorber Set-Rear (2)
562008-1	Shock Body -Rear (2)
562009	Shock Spring Holder (2)
562010	Shock Piston (4)
562011	Shock Shaft - Front (2)
562012	Shock Shaft - Rear (2)
562013	Shock O-Ring & Washer (2)
562014	Shock Spring - Front (2)
562015	Shock Spring - Rear (2)
562016	Shock lower Joint (2)
562017G	Front Shock Absorber Dust-free Protection
562017R	Front Shock Absorber Dust-free Protection
562018G	Rear Shock Absorber Dust-free Protection
562018R	Shock Absorber Dust-free Protection - Red (2)
562019	Shock Pivot Ball 5.8mm (4)
562020	Front Bottom Arm Hinge Pin Mount
562021	Front Bumper Set
562022	Anti-Roll Bar Linkage Joints (2)
562023	CVA Joints (2)
562023L	CVA Joints +1mm (2)
562024	Front Lower Arm(2)
562025	Steering Block (2)
562026	Wheel Adapter Set (2)
562027	Mounted Tires (2)
562028	Front Upper Arm Set (2)
562029	Servo Saver Nylon Parts
562030	Servo Saver Spring Holder
562033	LED Lights

	PARTS
lem No.	llem Description
62035	Center Driveshaft - Rear
62038	Quick Released Battery Fastener (3)
62039	Servo Mount
62040	Rear Lower Arm(2)
62041	Rear Upper Arm Set (2)
62042	Rear Stiffener
62043	Rear Bottom Arm Hinge Pin Mount
62044	Rear Bumper Set
62045	Motor Mount
62031-1	Roll Cage
62031-2C	Cabin and Panels - Clear
62071G	4SETH Body - Green
62071R	4SETH Body - Red
62071-2G	Cabin and Panels - Green
62071-2R	Cabin and Panels - Red
62072	Window Net
62073	Rear Wing for 4SETH
16818	HR3GR 3 Channel 2.4G Receiver
(6310-600	K Factory Shock Oil 70ml/2.5oz #600
(6310-700	K Factory Shock Oil 70ml/2.5oz #700
(6330-1000	K Factory Diff Oil 40ml #1000
(6330-10000	K Factory Diff Oil 40ml #10000
6330-50000	K Factory Diff Oil 40ml #50000
(6602-12	M1.0 Pinion Gear for 5mm Shaft 12T