

505002  
505003

E6 MONSTER TRUCK TROOPER



| Instruction Manual |



Thank you for choosing the Team Magic E6 TROOPER. The E6 TROOPER is designed to be fun to drive and use top quality parts for performance and durability. Before you start building your new R/C kit, we suggest you read through 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, always 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 following bags.

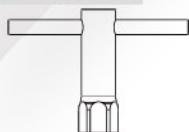
**A Good Dealer Is Extremely Important!!**

A good hobby dealer can help you with most assembly problems you might encounter. This is the main reason why you should buy your kits from a good dealer rather than from the cheapest dealer. 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 E6 TROOPER. To drive the car, you will need to check the following procedures.

**1 Included tools**

- Cross Wrench (17mm)

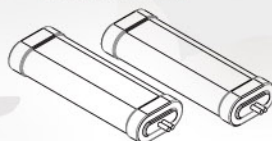


**2 Required items**

- AA Alkaline Or Rechargeable Batteries For Transmitter, 8pcs



- 11.1v Rechargeable Battery Pack X 2



- Battery Pack charger



**3 Helpful equipments**

- Hobby Knife (Warning!! This knife cuts nylon parts and fingers with equal ease. Be careful.)



- Body Scissors (for body cutting) #116006



- Needle-nose Pliers



- TM Black HC Hex Wrench Metric Size 1.5mm #117002-1M



- TM Black HC Hex Wrench Metric Size 2.0mm #117002-2M



- TM Black HC Hex Wrench Metric Size 2.5mm #117002-3M



- TM Black HC Hex Wrench Metric Size 3.0mm #117002-4M



- TM Black HC Nut Driver 5.5mm (for 3mm nut) #117010

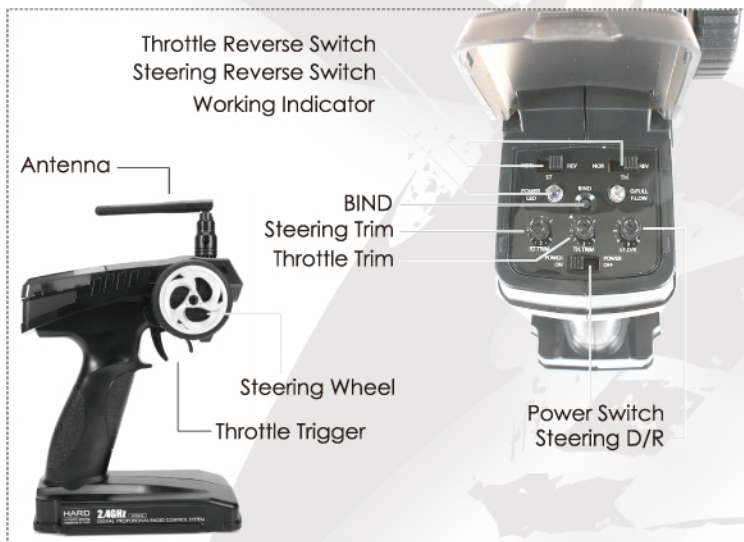


(Please always buy these items in model shops)



# Instruction & Setup Manual

## 1 Transmitter Function



## 2 Operating Procedure

**01** Install 8pcs AA batteries to the H.A.R.D. transmitter.



**02** Turn on the transmitter first.



**03** Turn the steering wheel right to turn the front tires go right.  
Turn the steering wheel left to turn the front tires go left.



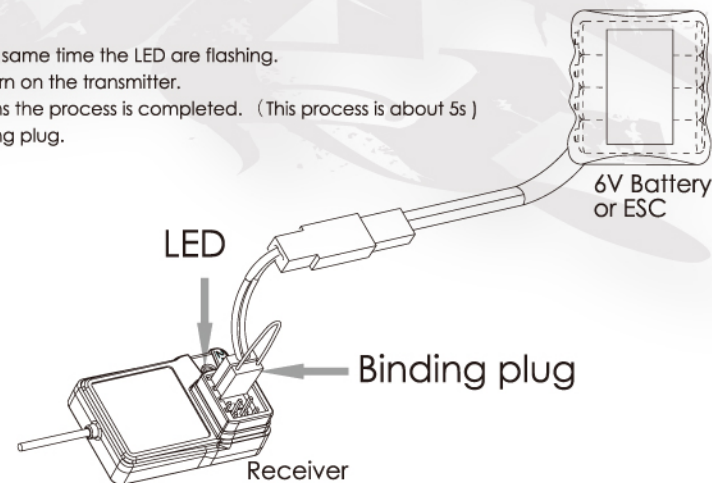
**04** Press the throttle trigger to moving forward the vehicle  
Push forward the throttle trigger to brake and reverse the vehicle.



## 3 Binding (connecting the receiver to transmitter)

Our products are factory presets, and doesn't need to change, but if you need to change a new receiver or transmitter, please follow the steps below:

1. Install the battery to 2.4G transmitter and shut it down.
2. Insert the binding plug to the CH3 port of the receiver.
3. Connect the receiver battery to BATT port of the receiver, on the same time the LED are flashing.
4. Press and hold the binding button on the transmitter, and then turn on the transmitter.
5. Observe the LED on the receiver, if the LED light is steady, it means the process is completed. (This process is about 5s)
6. Release the binding button on the transmitter, take out the Binding plug.
7. Install the server and then test.
8. If the test failed, please repeat the steps above.
9. If the test success, then insert the power supply port into CH2.





### 【FEATURES】

1. Specially designed for RC car RTR (Ready To Run) application.
2. Excellent start-up, acceleration and linearity features.
3. Compatible with sensorless brushless motor.
4. Running modes: Forward mode (single direction) and Forward/Backward mode (dual directions)
5. Proportional ABS brake function, with 4 steps of maximum brake force adjustment, 8 steps of drag-brake force adjustment.
6. Different options of start modes (Also called "Punch") from "soft" to "aggressive".
7. Multiple protection features: Low voltage cut-off protection for lithium or nickel battery / Over-heat protection / Throttle signal loss protection / Motor blocked protection.
8. Splash proof and dustproof.

### 【SPECIFICATIONS】

| Model                    | S18 RTR  | S16 RTR   | S10A/B RTR  | S10C RTR   | S8A RTR                                 | S8B RTR   |
|--------------------------|--|---|---|--|---|---|
| Suitable Car             | 1/18 car   | 1/16 car  | 1/10 On-Road  | 1/10 Off-Road  | 1/8 Buggy/Truggy                        | 1/8 Truggy/Monster                                  |
| Battery                  | 4-9 cells NiMH or 2-3S Lipo  |   | S10A: N/A<br>S10B: 5V   |  | 2-4S Lipo                               | 2-6S Lipo   |
| Cooling Fan              | N/A  | N/A   | 5V  |  | 5V                                      | 5V  |
|                          | For 4-6 cells NiMH or 2S Lipo: Just use the cooling fan pre-installed on ESC;<br>For 7-9 cell NiMH or 3S Lipo: Please choose a high voltage cooling fan or supply the fan from the receiver; (Please check the instructions on page 3) |   |   | The cooling fan gets power supply from built-in BEC                |   | The cooling fan gets power supply from built-in BEC |
| Suitable Brushless Motor | 2S Lipo<br>On-road: ≥ 12T<br>Off-road: ≥ 18T<br>2030 size motor  | 2S Lipo<br>On-road: ≥ 12T<br>Off-road: ≥ 18T<br>2030 size motor | 2S Lipo<br>On-road: ≥ 9T<br>Off-road: ≥ 12T<br>3650 size motor  | 2S Lipo<br>On-road: ≥ 5.5T<br>Off-road: ≥ 8.5T<br>3650 size motor  | 4S Lipo<br>KV ≤ 2400<br>4074 size motor | 4S Lipo<br>KV ≤ 2400<br>4074 size motor             |
|                          | 3S Lipo<br>On-road: ≥ 18T<br>Off-road: ≥ 24T<br>2030 size motor  | 3S Lipo<br>On-road: ≥ 18T<br>Off-road: ≥ 24T<br>2030 size motor | 3S Lipo<br>On-road: ≥ 12T<br>Off-road: ≥ 18T<br>3650 size motor | 3S Lipo<br>On-road: ≥ 8.5T<br>Off-road: ≥ 13.5T<br>3650 size motor |   | 6S Lipo<br>KV ≤ 2000<br>4274 size motor             |
| BEC Output               | 6V@1A  | 6V@1.5A   | 6V@1.5A   | 6V@3A  | 5.75V@3A                                | 5.75V@3A  |
| Motor Type               | Sensorless Brushless Motor   |   |   |  |   |   |
| Dimension                | 31.5*24*15   | 31.5*27.5*16  | 31.5*27.5*30  | 31.5*27.5*33   | 58*46*35                                | 58*46*35  |

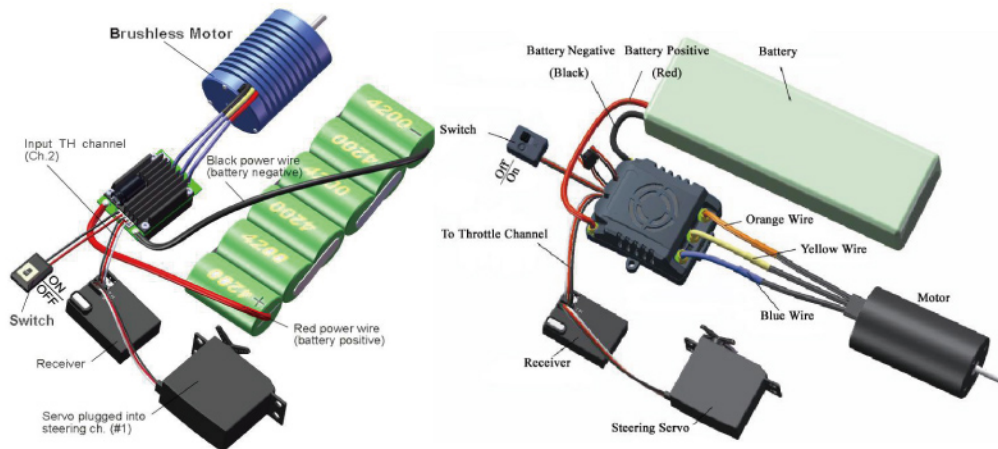
### 【BEGIN TO USE THE NEW ESC】

#### 1. Connect the ESC, motor, receiver, battery and servo according to the following diagrams

"+" and "-" wires of the ESC are connected with the battery pack, and #A, #B and #C are connected with the motor wires. The control cable of the ESC (trio wires with black, red and white color) is connected with the throttle channel of the receiver (Usually CH2).

The #A, #B, #C wires of the ESC can be connected with the motor wires freely (without any order). If the motor runs in the opposite direction, please swap any two wire connections.

The "SET" button is used for programming the ESC.



If there are 2 battery packs need to be connected in series, please refer to the following picture:

### 2. Throttle Range Setting (Throttle Range Calibration)

In order to make the ESC fit the throttle range of your transmitter, you must calibrate it for the following cases; otherwise the ESC cannot work properly.

- 1) Begin to use a new ESC;
- 2) Begin to use a new transmitter;
- 3) Change the settings of neutral position of the throttle stick, ATV or EPA parameters, etc.

There are 3 points need to be set, they are the end point of "forward" the end point of "backward" and the neutral point.

The following pictures show how to set the throttle range with a Futaba™ transmitter.

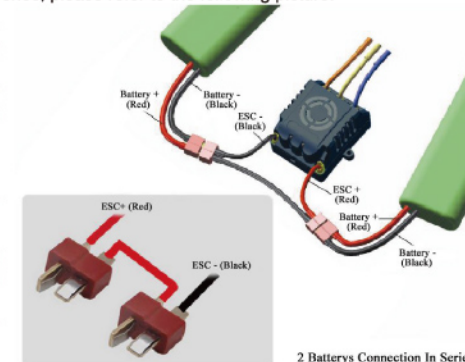
- A) Switch off the ESC, turn on the transmitter, set the direction of throttle channel to "REV", set the "EPA/ATV" value of throttle channel to "100%", and disable the ABS function of your transmitter.
- B) Hold the "SET" key (**Note1**) and then switch on the ESC, and release the "SET" key as soon as the red LED begins to flash. (**Note2**)

**Note1:** The "SET" key of S18 and S8 ESC is beside the main switch of the controller.

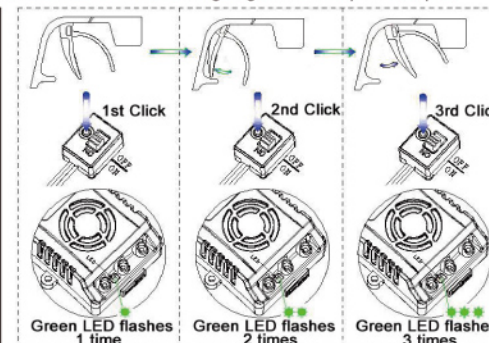
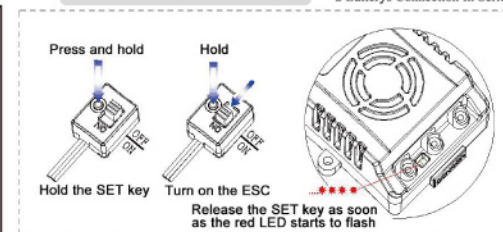
The "SET" key of S16, S10 On-Road and S10 Off-Road ESC is located on the main board of the controller.

**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 and re-calibrate the throttle range again from step A to step D.

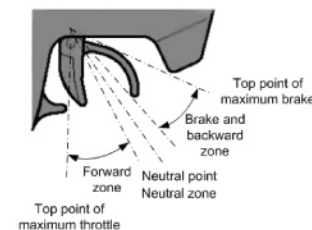
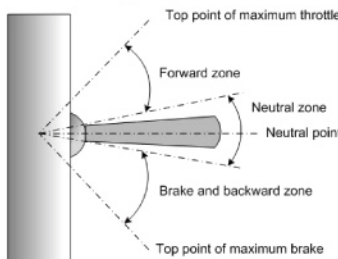
- C) Set the 3 points according to the steps shown in the pictures on the right side.
  - 1) **The neutral point**  
Move the throttle stick at the neutral point, and then click the SET key, the green LED flashes 1 time.
  - 2) **The end point of forward direction**  
Move the throttle stick at the end point of forward direction, and then click the SET key, the green LED flashes 2 times.
  - 3) **The end point of backward direction**  
Move the throttle stick at the end point of backward direction, and then click the SET key, the green LED flashes 3 times.
- D) Throttle range is calibrated; motor can be started after 3 seconds.



2 Batterys Connection In Series



### 3. Throttle Range Explanation





### [LED STATUS IN NORMAL RUNNING]

- In normal use, if the throttle stick is in the neutral range, neither the red LED nor the green LED lights.
- The red LED lights when the car is running forward or backward and it will flash quickly when the car is braking.
- The green LED lights when the throttle stick is moved to the top point of the forward zone.

### [ALERT TONES]

- Input voltage abnormal alert tone: The ESC begins to check the input voltage when power on, if it is out of the normal range, such an alert tone will be emitted: "beep-beep-, beep-beep-, beep-beep-" (There is 1 second time interval between every "beep-beep-" tone).
- Throttle signal abnormal alert tone: When the ESC can't detect the normal throttle signal, such an alert tone will be emitted: "beep-, beep-, beep-" (There is 2 seconds time interval between every "beep-" tone).

### [PROTECTION FUNCTION]

- Low voltage cut-off protection: If the voltage of a lithium battery pack is lower than the threshold for 2 seconds, the ESC will cut of the output power. Please note that the ESC cannot be restarted if the voltage of each lithium cell is lower than 3.5V.  
For NiMH battery packs, if the voltage of the whole NiMH battery pack is higher than 9.0V but lower than 12V, it will be considered as a 3S lithium battery pack; If it is lower than 9.0V, it will be considered as a 2S lithium battery pack. For example, if the NiMH battery pack is 8.0V, and the threshold is set to 2.6V/Cell, so it will be considered as a 2S lithium battery pack, and the low-voltage cut-off threshold for this NiMH battery pack is 2.6\*2=5.2V.
- Over-heat protection: When the temperature of the ESC is over a factory preset threshold for 5 seconds, the ESC will cut off the output power. When the over-heat protection happens, the Green LED will flash in such a style: "☆☆☆☆" (Single flash).
- Throttle signal loss protection: The ESC will cut off the output power if the throttle signal is lost for 0.2 second.

### [PROGRAM THE ESC]

#### 1. Programmable Items List *(The italics texts in the form are the default settings)*

Table A: Programmable Items for S8A, S8B RTR ESC

| Programmable Items               | Options            |                                   |                     |           |           |           |        |        |        |
|----------------------------------|--------------------|-----------------------------------|---------------------|-----------|-----------|-----------|--------|--------|--------|
|                                  | 1                  | 2                                 | 3                   | 4         | 5         | 6         | 7      | 8      | 9      |
| 1. Running Mode                  | Forward with Brake | <i>Forward/Reverse with Brake</i> | Forward and Reverse |           |           |           |        |        |        |
| 2. Drag Brake Force              | 0%                 | 5%                                | 10%                 | 20%       | 40%       | 60%       | 80%    | 100%   |        |
| 3. 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%      | Disable   |           |        |        |        |

Table B: Programmable Items For S18,S16,S10A,S10B,S10C RTR ESC

| Programmable Items               | Programmable Value |                                   |           |           |           |           |     |     |
|----------------------------------|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----|-----|
|                                  | 1                  | 2                                 | 3         | 4         | 5         | 6         | 7   | 8   |
| 1. Running Mode                  | Forward with Brake | <i>Forward/Reverse with Brake</i> |           |           |           |           |     |     |
| 2. Drag Brake Force              | 0%                 | 5%                                | 10%       | 15%       | 20%       | 25%       | 30% | 40% |
| 3. 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    |           |           |     |     |
| 5. Maximum Brake Force           | 25%                | 50%                               | 75%       | 100%      |           |           |     |     |

#### 2. Explanation For Each Programmable Item

2.1. **Running Mode:** With "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: For S8 ESC, "Forward/Reverse with Brake" mode uses "Double-click" method to make the car go backward.** When you move the throttle stick from forward zone to backward zone for the 1<sup>st</sup> time (The 1<sup>st</sup> "click"), the ESC begins to brake the motor, the motor speeds down but it is still running, not completely stopped, so the backward action is NOT happened immediately. When the throttle stick is moved to the backward zone for the 2<sup>nd</sup> time (The 2<sup>nd</sup> "click"), if the motor speed is slowed down to zero (i.e. stopped), the backward action will happen. The

"Double-Click" method prevents mistaken reversing action when the brake function is frequently used in steering. By the way, in the process of brake or reverse, if the throttle stick is moved to forward zone, the motor will run forward at once.

**But for S18, S16, S10 ESC, "Forward/Reverse with Brake" mode uses "Double-click" method to make the car go backward.**

"Forward/Reverse" mode uses "Single-click" method 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 suitable for Rock Crawler.

2.2. **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.

2.3. **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 reduced 70%, 10 seconds later the output will be completely stopped, and the red LED flashes in such a style: "☆☆☆☆, ☆☆☆, ☆☆☆" (Double flashes).

2.4. **Start Mode (Also called "Punch"):** Select from "Level1" to "Level9" (For S8 ESC) or "Level1" to "Level4" (For S18, S16 and S10 ESC). Higher number means more aggressive start effect. Please note that if you choose "Level7" to "Level9" mode, you must use good quality battery pack with powerful discharge ability, otherwise these modes cannot get the burst start effect as you want. If the motor runs hardly (trembling), it may caused by the weak discharge ability of the battery pack, please choose a better battery or increase the gear rate (Use a smaller pinion).

2.5. **Maximum Brake Force:** The ESC provides proportional brake function. The brake force is related to the position of the throttle stick. Maximum brake force refers to the force when the throttle stick is located at the end point of the backward zone. A very large brake force can shorten the brake time, but it may damage the gears. The "Disable" option of S8 ESC inhibits the inherent brake function of the speed controller. When this option is selected, the brake function is realized by a traditional disc-brake system driven by a servo.

#### 3. Program The ESC With SET Button

Please check the instructions on the page 3.

#### 4. Reset All Items To Default Values

At any time when the throttle is located in neutral zone (except in the throttle calibration process or ESC program mode), hold the "SET" key for over 3 seconds, the red LED and green LED will flash at the same time, which means each programmable item has been reset to its default value.

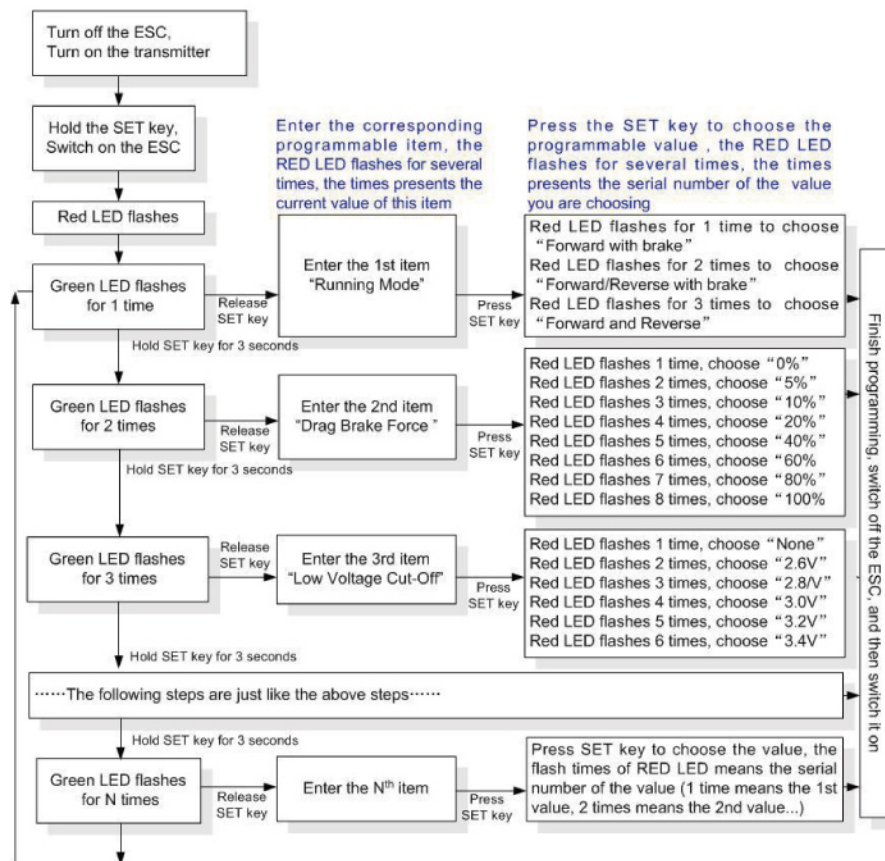
### [TROUBLE SHOOTING]

| 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<br>Replace the connectors  |
| After power on, motor can't work, but emits "beep-beep-, beep-beep-" alert tone. (Every group of "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 power on, red LED always lights, the motor doesn't work  | Throttle signal is abnormal   | Plug the control wire into the throttle channel of the receiver correctly.   |
| The motor runs in the opposite direction when it is accelerated  | The wire connections between ESC and the motor are not correct  | 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<br>Check the signal wire from the throttle channel of your receiver   |
|  | The ESC has entered the Low Voltage Protection Mode or Over-heat Protection Mode  | Red LED flashing means Low voltage protection. Please replace battery pack.<br>Green LED flashing means Over-heat protection, please stop running to cool the ESC. |
| When accelerating quickly, the motor stops or trembles   | 1) The battery has a bad discharge performance<br>2) The gear rate is too small<br>3) The "Start Mode (Punch)" of the ESC is too aggressive | 1) Use a better battery<br>2) Use lower KV motor or change the gear rate, choose smaller pinion<br>3) Select a softer option for the "Start Mode (Punch)"          |

### 【PROGRAM THE ESC WITH SET BUTTON】

The following is a flow chart sample for programming a S8 ESC.

Flow chart: Program the ESC with the SET key



**Note3:** In the program process, when the LED is flashing, the motor will emit "Beep" tone at the same time.

### 【OPTIONAL ACCESSORIES FOR UPGRADE】

**1. High Voltage Cooling fan (12V):** The high voltage fan is necessary when you are using 3S Lipo or more than 6 cells NiMH battery pack for S10 On-Road and S10 Off-Road ESCs.

It is installed on the heat sink of the ESC, it helps to cool the ESC with downward airflow.

#### WARNING!

The original cooling fan (5V) combined with the S10 ESC can ONLY work with a 2S lipo battery pack or 4-6 cells NiMH battery pack. Please NEVER use it with a 3S Lipo battery pack or NiMH battery pack more than 6 cells, otherwise it may be damaged.

The 12V cooling fan is only useful for the following ESCs:

- ★ S10 On-Road ESC
- ★ S10 Off-Road ESC

### 2. Program Card for ESC:

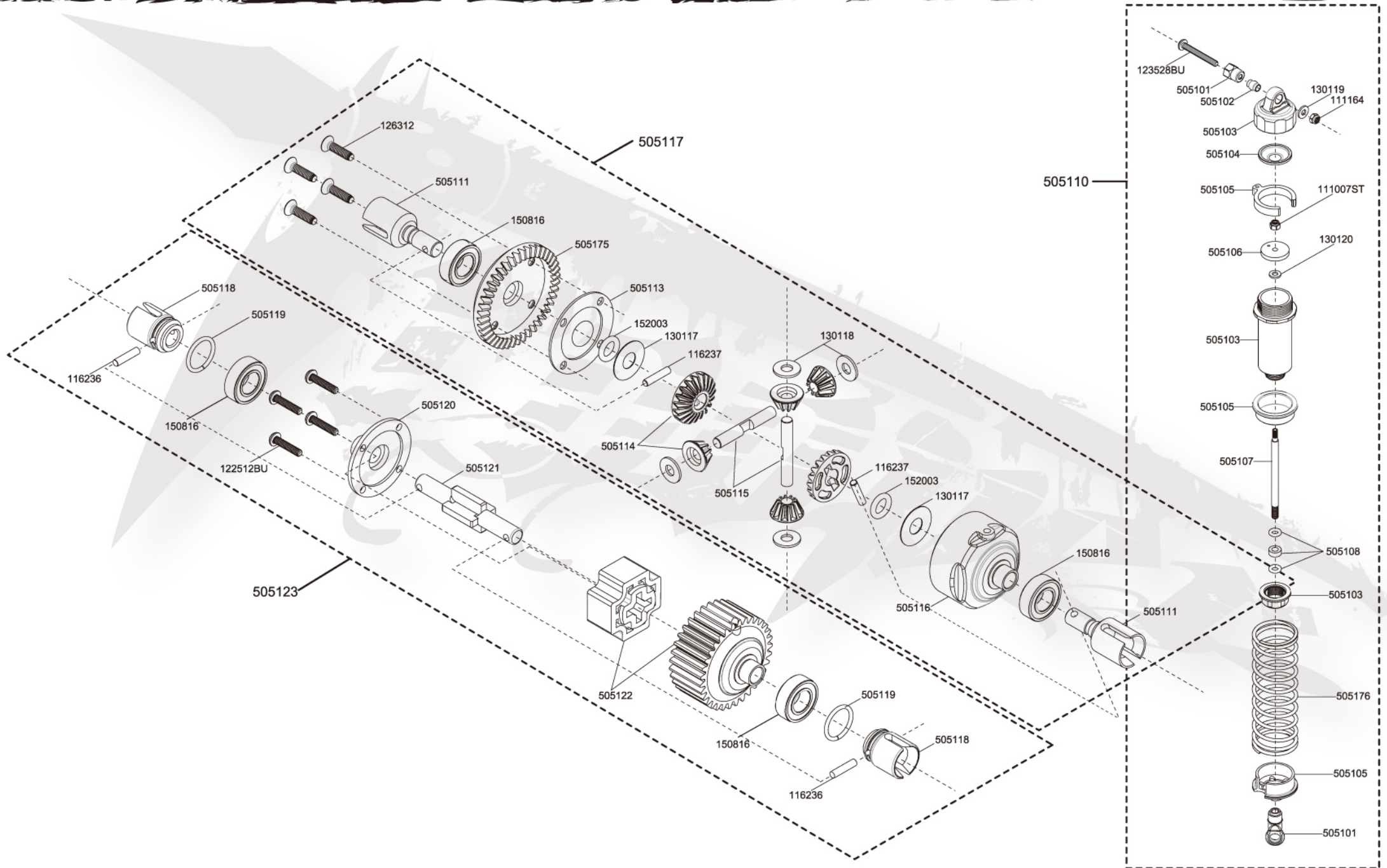
The Program Card is an optional accessory which needs to be purchased separately. It has friendly user interface. The process of programming the ESC becomes quite easy with this pocket sized device.

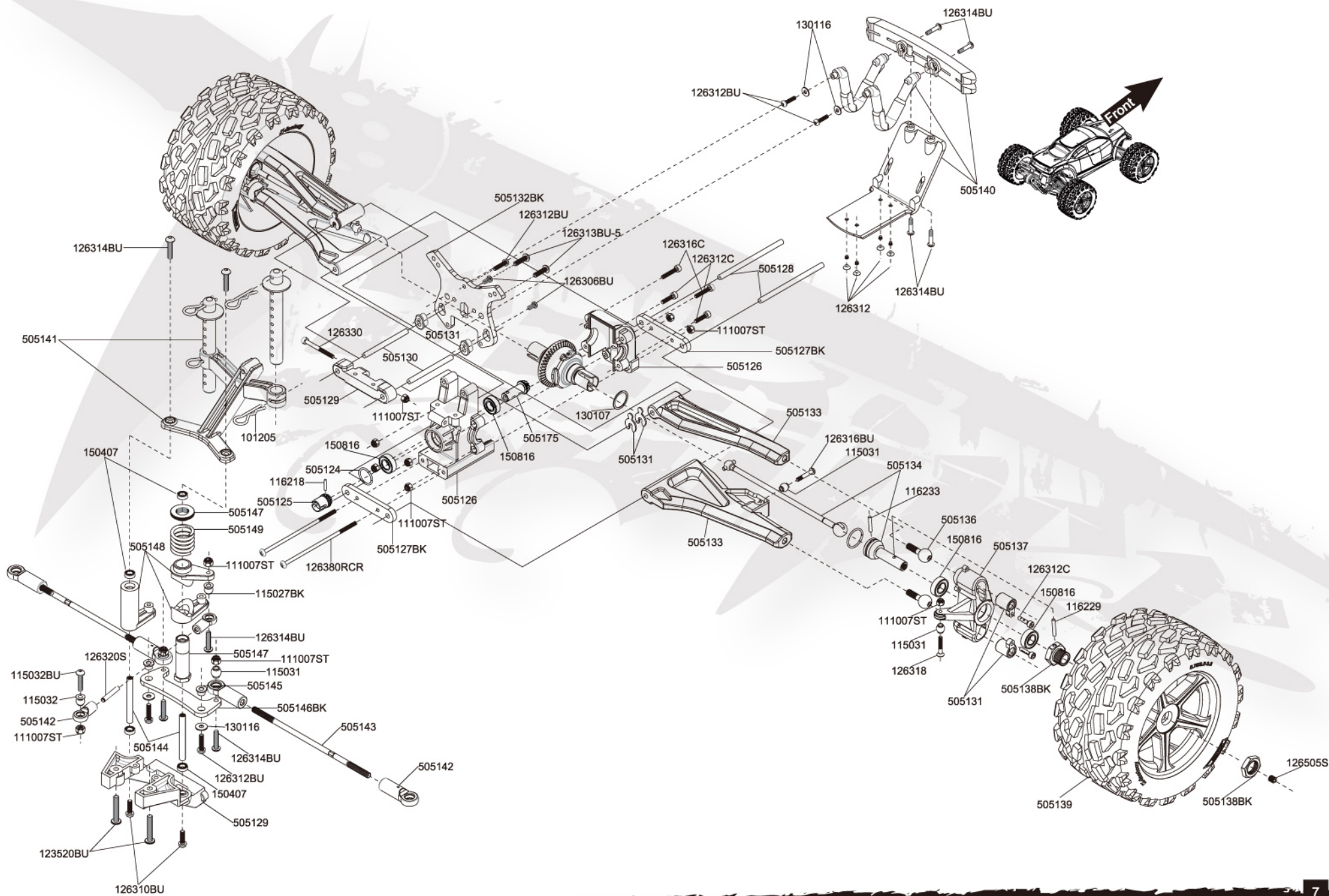
When programmable value needs to be changed, please just plug the control wires of the ESC (trio wires with black, red and white color) into the port of the program card (The port is on the right corner, and marked with  $\oplus\ominus\text{II}$ ), and then connect battery pack to the ESC. After several seconds, the value of programmable item will be shown by the digital LED.

Use "ITEM" and "VALUE" buttons to select the programmable items and new values, and then press "OK" button to save the new settings into the ESC. Press "RESET" button will change each programmable item to its default value.

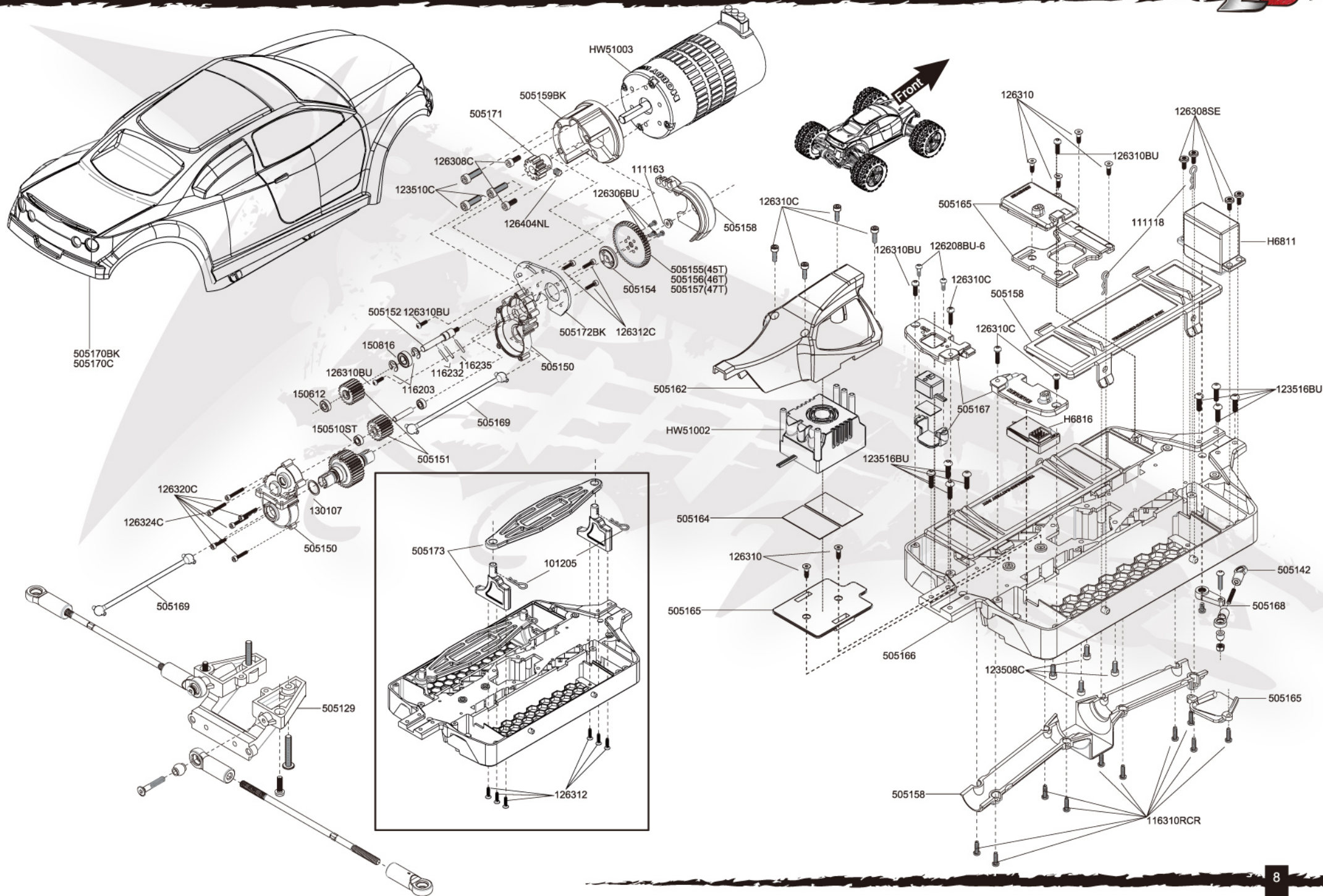


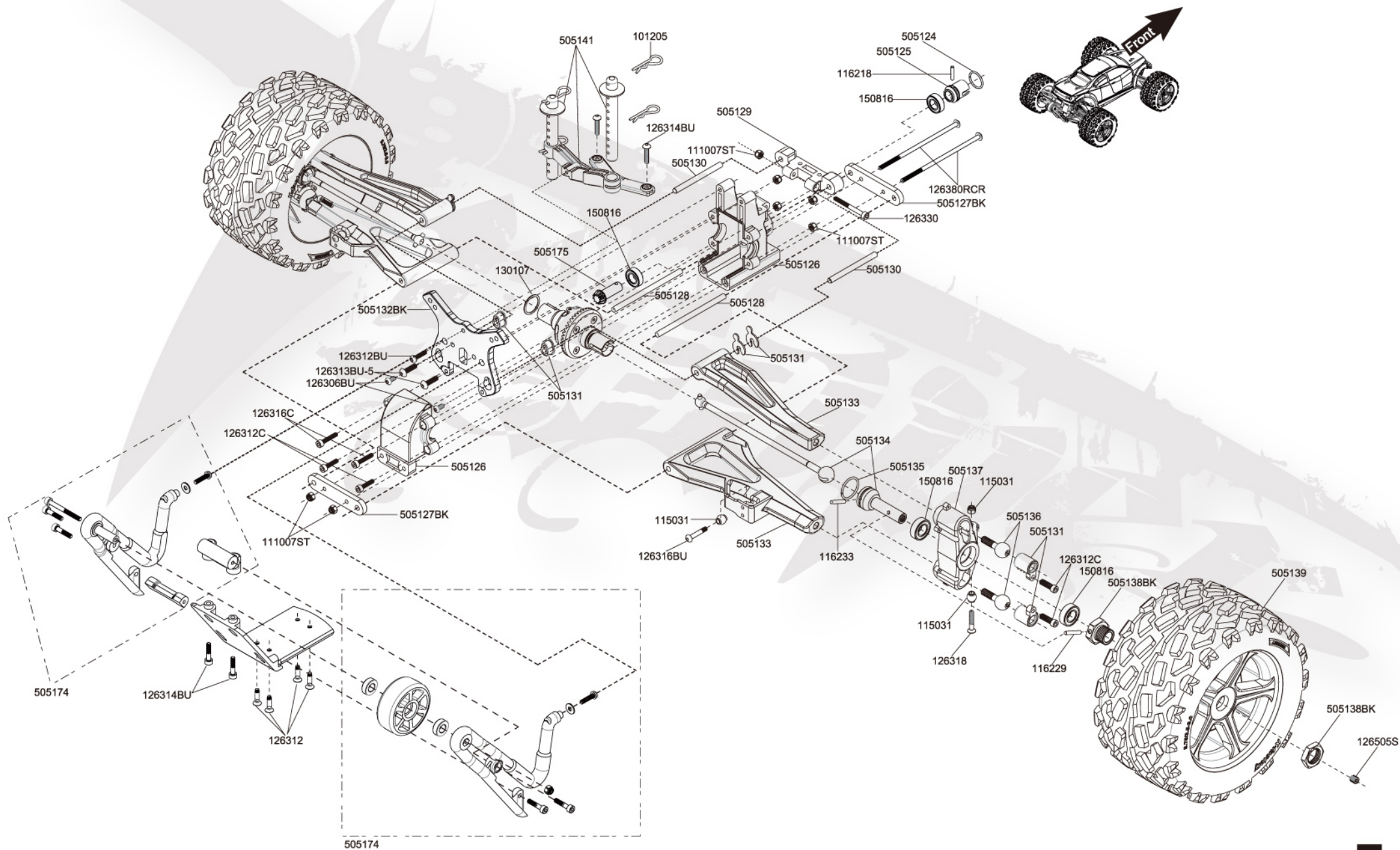














| PARTS      |  |
|------------|--|
| Item No.   | Item Description                                     |
| 101205     | R8 R-Clip (10)                                       |
| 111007ST   | 3mm Steel Locknut (10)                               |
| 111118     | R5 R-clip (10)                                       |
| 111163     | 4mm Lock Nut (10)                                    |
| 111164     | 3.5mm Lock Nut (10)                                  |
| 115013     | Steering Servo Saver (Futaba)                        |
| 115027BK   | Ball End & 5.8mm Single Flanged Steel Ball (6) Black |
| 115031     | 6.8mm Flanged Steel Ball (10)                        |
| 115032     | 5.8mm Single Flanged Steel Ball (6)                  |
| 116203     | E-clip 5 (10)  |
| 116218     | 2.5x12.8mm Pin (10)                                  |
| 116229     | 2.5x16.8mm PIN(10)                                   |
| 116232     | 2x13.8mm Pin (10)                                    |
| 116233     | 2.5x14.8mm Pin (10)                                  |
| 116234     | 5x23.9mm Pin (10)                                    |
| 116235     | 2x14.8mm Pin (10)                                    |
| 116236     | 2.5x10.8mm Pin (10)                                  |
| 116237     | 2.5x11.8mm Pin (10)                                  |
| 116310RCR  | 3x10mm Steel RH TP Screw (cross) (6)                 |
| 122512BU   | M2.5X12mm BH Screw(10)                               |
| 123510C    | 3.5x10mm Steel Cap Screw (6)                         |
| 123516BU   | 3.5x16mm Steel BH Screw (6)                          |
| 123520BU   | 3.5x20mm Steel BH Screw (6)                          |
| 123528BU   | 3.5x28mm Steel BH Screw (6)                          |
| 126208BU-6 | 2.6x8mm Steel Button Head Screw(6)                   |
| 126303S    | 3x3mm Set Screw (6)                                  |
| 126306BU   | 3x6mm Steel Button Head Screw (6)                    |
| 126308SE   | 3x8mm Steel Flat Round Servo Mount Screw (6)         |
| 126310BU   | 3x10mm Button Head Screw (6)                         |
| 126310BU   | 3x10mm Button Head Screw (6)                         |
| 126310C    | 3x10mm Cap Screw (6)                                 |
| 126312     | 3x12mm Steel F.H. Screw (6)                          |
| 126312BU   | 3x12mm Button Head Screw (6)                         |
| 126312C    | 3x12mm Steel Cap Screw (6)                           |
| 126313BU-5 | 3.5x13mm Button Head Screw (6)                       |
| 126314BU   | 3x14mm Button Head Screw (6)                         |
| 126316BU   | M3X16mm BH Screw(10)                                 |
| 126316C    | 3x16mm Cap Screw (6)                                 |
| 126318     | 3x18mm Steel FH Screw (6)                            |
| 126320C    | 3x20mm Cap Screw (6)                                 |
| 126320S    | 3x20mm Set Screw (6)                                 |
| 126380RCR  | 3x80mm Steel RH Screw (cross) (6)                    |
| 126330     | 3x30mm Cap Screw (6)                                 |

| PARTS    |   |
|----------|---|
| Item No. | Item Description                            |
| 126404NL | 4x4mm Thread Lock Set Screw (6)             |
| 126410C  | 4x10mm Steel Cap Screw(6)                   |
| 126505S  | 5x5mm Set Screw (6)                         |
| 130107   | 13.2x15.9x0.5mm Shim (6)                    |
| 130116   | 3.2x8x0.7 Washer (10)                       |
| 130117   | 6.2x15x0.3 Washer (10)                      |
| 130118   | 4.2x9.6x1mm Washer (10)                     |
| 130119   | 3.6x8x1mm Washer (10)                       |
| 130120   | 3x7x1mm Washer (10)                         |
| 150407   | 4X7X2.5mm Bearing(4)                        |
| 150510ST | 5x10x4mm Steel Bearing (4)                  |
| 150612   | 6x12x4mm Bearing (4)                        |
| 150816   | 8x16x5mm Dust-Resistant Bearing (4)         |
| 152003   | O-RING P6(10)                               |
| 505101   | E6 Shock Pivot Ball Mount (4)               |
| 505102   | E6 Shock Pivot Ball (4)                     |
| 505103   | E6 Shock Body (2)                           |
| 505104   | E6 Shock Bladder 17mm (4)                   |
| 505105   | E6 Shock Spring Holder                      |
| 505106   | E6 Shock Piston                             |
| 505107   | E6 Shock Shaft (2)                          |
| 505108   | E6 Shock O-Ring & Washer                    |
| 505109   | E6 Shock Spring (Red) (2)                   |
| 505110   | E6 Shock Absorber Set                       |
| 505111   | E6 F/R Differential Outdrive (2)            |
| 505113   | E6 Differential Case Gasket (4)             |
| 505114   | E6 Differential Bevel Gear Set (for 1 diff) |
| 505115   | E6 Differential Bevel Shaft (2)             |
| 505116   | E6 Bevel Gear Case                          |
| 505117   | E6 Complete Differential Kit (F/R)          |
| 505118   | E6 Center Solid Axle Outdriver (2)          |
| 505119   | E6 C-Clip 10.8x1.1mm (4)                    |
| 505120   | E6 Center Gear Cover                        |
| 505121   | E6 Center Solid Axle                        |
| 505122   | E6 Center Gear (33T)                        |
| 505123   | E6 Complete Center Spool Kit                |
| 505124   | E6 C-Clip 13x1.3mm (4)                      |
| 505125   | E6 Joints Outdriver (2)                     |
| 505126   | E6 Differential Box                         |
| 505127BK | E6 Lower Arm Mount (BK) (2)                 |
| 505128   | E6 Lower Arm Hinge Pin 4x70mm (2)           |
| 505129   | E6 Front/Rear Upper Arm Hinge Pin Mount (4) |
| 505130   | E6 Upper Arm Hinge Pin 4x48mm (2)           |
| 505131   | E6 Nylon Adjuster & Pivot Ball Mount        |

| PARTS    |   |
|----------|---|
| Item No. | Item Description                          |
| 505132BK | E6 Shock Tower (BK)                       |
| 505133   | E6 Arm Set                                |
| 505134   | E4 CVA Joints (2)                         |
| 505135   | E6 C-Clip 15x1.3mm (4)                    |
| 505136   | E6 Pivot Ball (11mm) (4)                  |
| 505137   | E6 Steering Block (2)                     |
| 505138BK | E6 Wheel Adapter Set (BK) (2)             |
| 505139   | E6 Mounted Tire (Pair)                    |
| 505140   | E6 Bumper Set                             |
| 505141   | E6 Body Post Set (F/R)                    |
| 505142   | E6 Ball Cup 5.8mm (10)                    |
| 505143   | E6 4x110mm Rod (2)                        |
| 505144   | E6 Servo Saver Inner Post                 |
| 505145   | E6 Steering Bushing                       |
| 505146   | E6 Steering Linkage Plate                 |
| 505147   | E6 Servo Saver Post                       |
| 505148   | E6 Servo Saver Nylon Parts                |
| 505149   | E6 Servo Saver Spring                     |
| 505150   | E6 Reduction Gear Box                     |
| 505151   | E6 Reduction Gears                        |
| 505152   | E6 Spur Gear Shaft                        |
| 505154   | E6 Spur Gear Hub                          |
| 505155   | E6 Spur Gear-45T                          |
| 505156   | E6 Spur Gear-46T                          |
| 505157   | E6 Spur Gear-47T                          |
| 505158   | E6 Spur Gear, Battery , Driveshafts Cover |
| 505159BK | E6 Motor Mount (BK)                       |
| 505162   | E6 ESC Cover                              |
| 505164   | E6 Double Side Tape                       |
| 505165   | E6 ESC&Motor Mount , Front Nylon Cover    |
| 505166   | E6 Chassis                                |
| 505167   | E6 Switch Mount and Rear Nylon Cover      |
| 505168   | E6 Alum. Servo Arm (Futaba)               |
| 505169   | E6 Center Universal Joint                 |
| 505170BK | E6 Body Shell (BK)                        |
| 505170C  | E6 Body Shell (Clear)                     |
| 505171   | E6 Pinion Gear-14T (M1)                   |
| 505172   | E6 Spur Gear Linkage Plate (BK)           |
| 505173   | E6 Quick- Release Battery Holder          |
| 505174   | E6 The Fifth Wheel Set                    |
| 505175   | E6 Machined Bevel Gear -43T/11T           |
| 505176   | E6 Shock Spring (White) (2)               |
| HW51002  | 150A 6S ESC                               |
| HW51003  | 2000KV Brushless Motor                    |
| H6811    | H.A.R.D. HS3306 Steering Servo            |



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