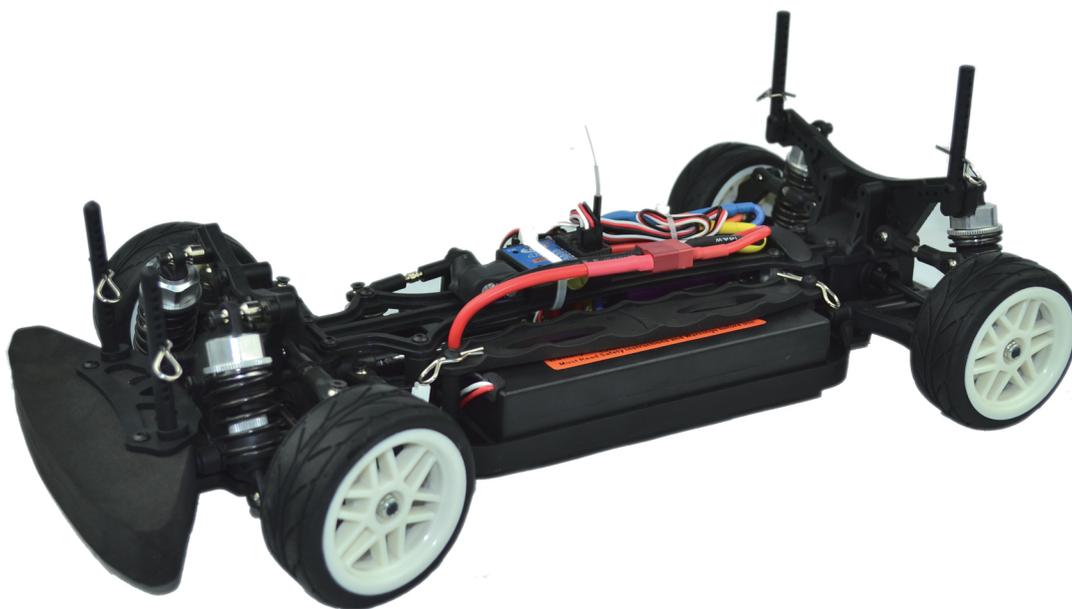


# INSTRUCTION MANUAL

## 1/10 Scale 4WD Electric Touring Car



**RH1025 EBD (Brushed)**  
**RH1026 EBL (Brushless)**

V18.12



# INSTRUCTION MANUAL

## 1/10 Scale 4WD Electric Touring Car

**RH1025 X-Ranger EBD (Brushed)**

**RH1026 X-Ranger EBL (Brushless)**

### Features:

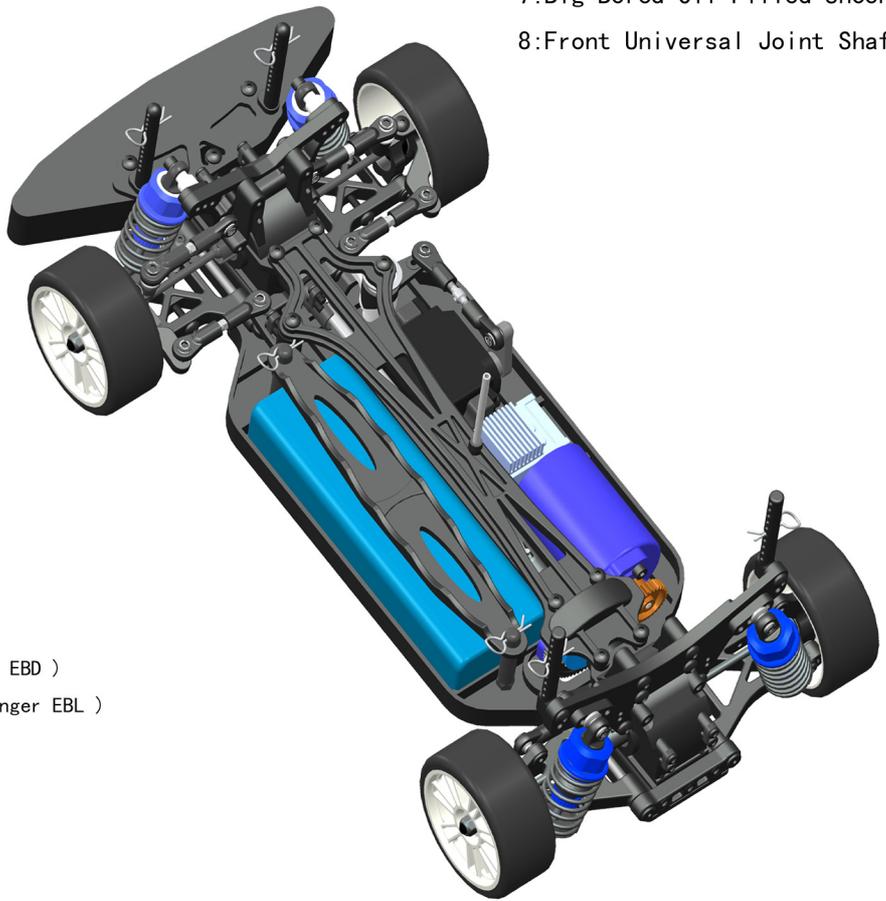
- 1: Alum motor mount
- 2: Slipper system
- 3: Front/rear sway bar
- 4: Low CG gearbox design
- 5: Metal diff. gear design
- 6: Adjustable Ground Clearance
- 7: Big Bored Oil Filled Shocks
- 8: Front Universal Joint Shafts

### Specs. :

- 1、Length: 364 mm (Body shell not included)
- 2、Width: 190 mm
- 3、Wheelbase: 258/261 mm
- 4、Gear Ratio: 6.5:1
- 5、Tyre:  $\phi 65 \times 26$  mm

### Standard Equipments:

- 1、Steering Servo: 3kg/cm
- 2、Motor: 540 (X-Ranger EBD )  
3650 (4200KV) (X-Ranger EBL )
- 3、ESC: 300A (X-Ranger EBD )  
45A (X-Ranger EBL )
- 4、Battery: Ni-MH SC1800mAh 7.2V (X-Ranger EBD )  
Li-Po 3250mAh 7.4V  $\leq 25C$  (X-Ranger EBL )
- 5、RADIO: 2CH A M (X-Ranger EBD )  
2CH 2.4GHz (X-Ranger EBL )



### X-Ranger Brushless System Set:

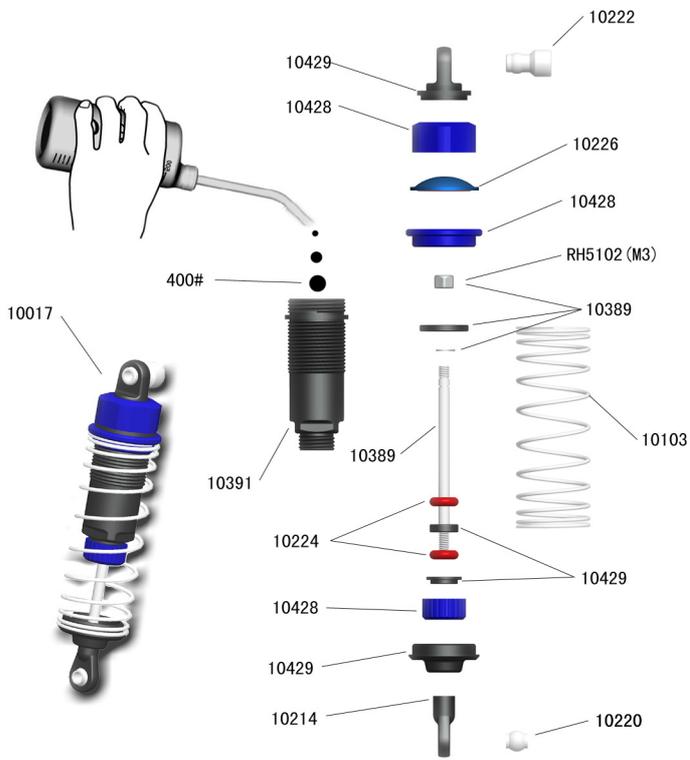


### X-Ranger Brushed System Set:



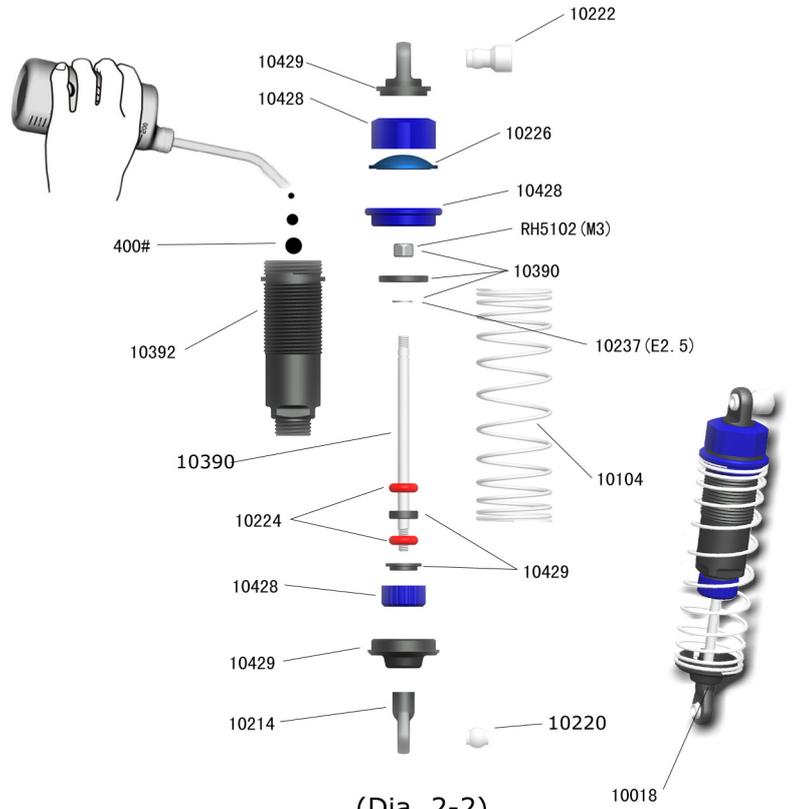
# FRONT & REAR SHOCK ASSEMBLY

## Front Shocks

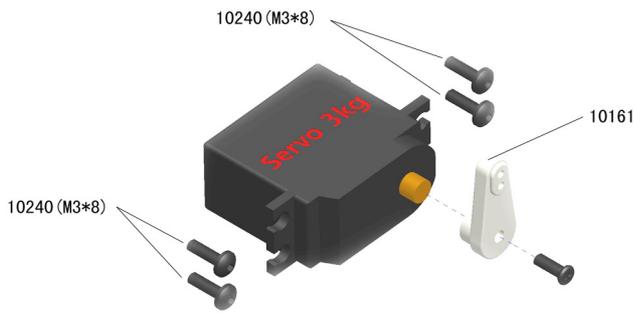


(Dia.2-1)

## Rear Shocks



(Dia. 2-2)

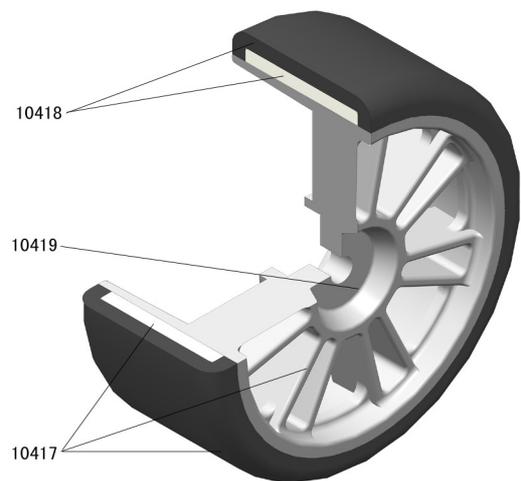


## Steering Servo



(Dia.2-3)

## Tyres



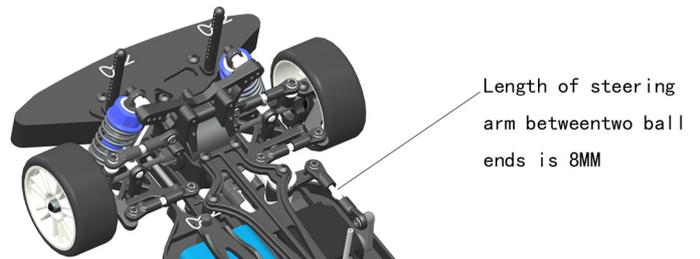
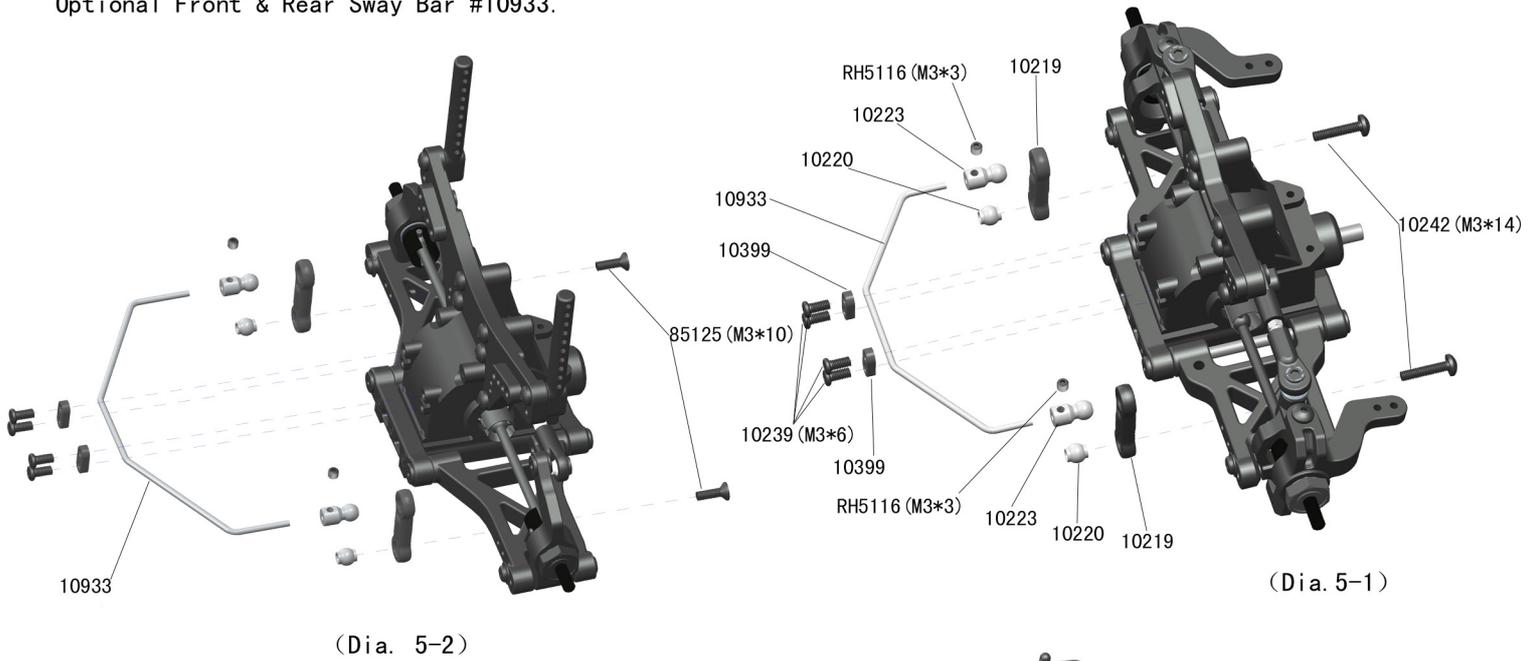
(Dia. 2-4)



X-Ranger EBD and EBL is almost same but in electronics. X-Ranger EBD comes with brushed system and X-Ranger EBL with brushless system. For hobbyists, we have optional front and rear sway bar for upgrade, which adds higher racing performance.

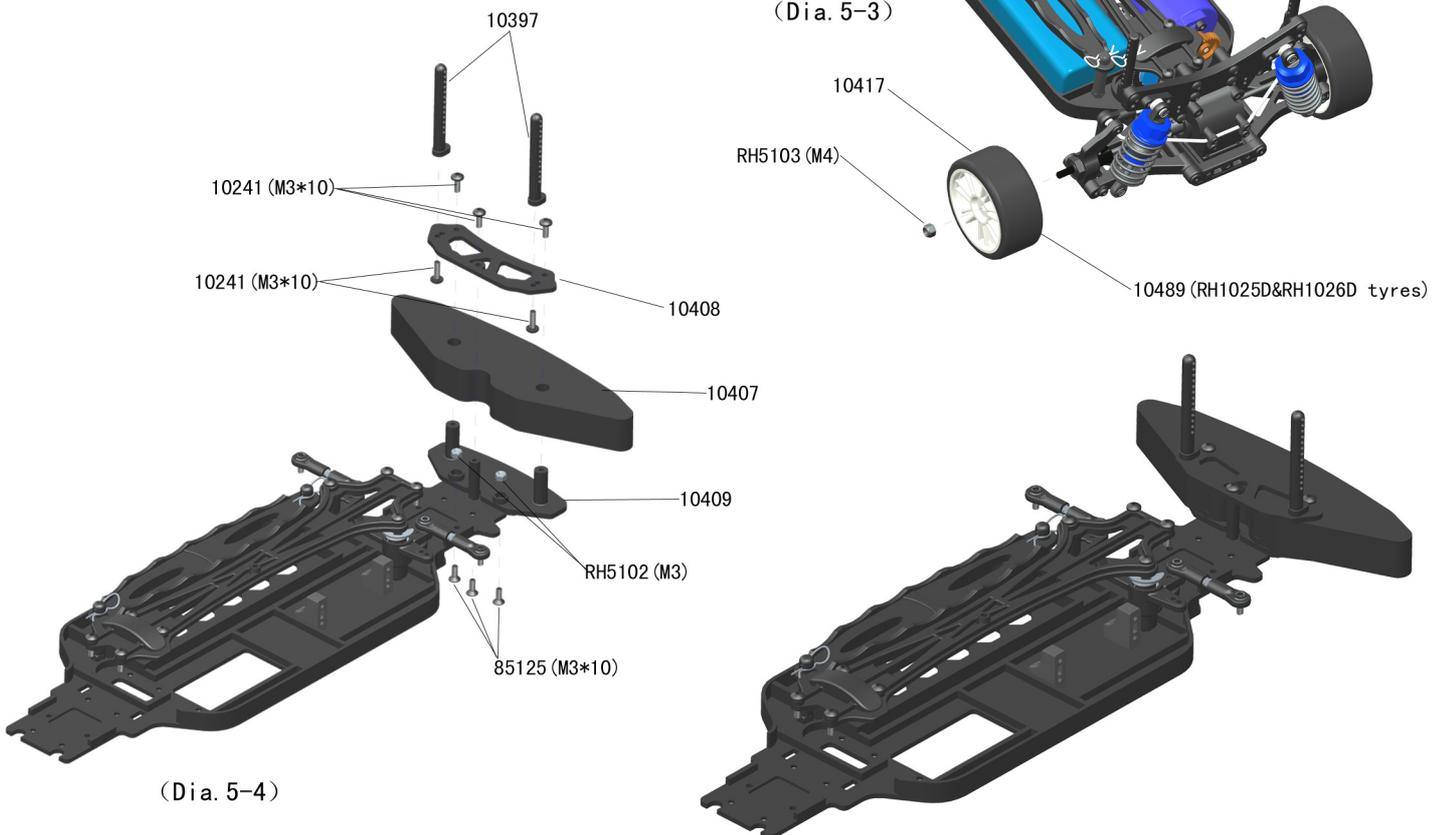
Other assemblies please refer to Page 4&5

Optional Front & Rear Sway Bar #10933.



(Dia. 5-3)

### Front Bumper Assemblies.



# ASSEMBLY STEPS:

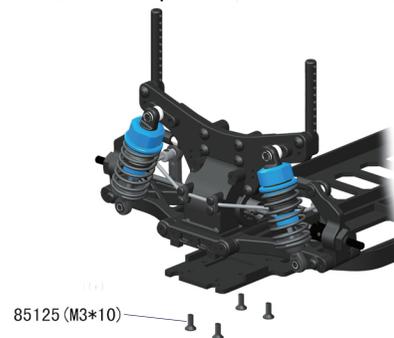
1. Assembly center chassis part (See Dia. 3-1)



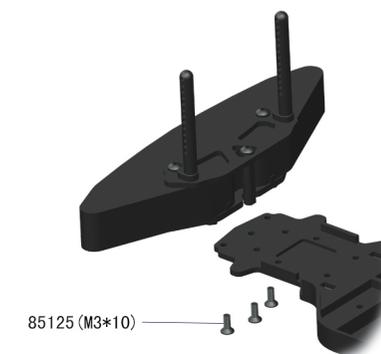
2. Assemble front assembly to chassis front. (See Dia. 4-1)



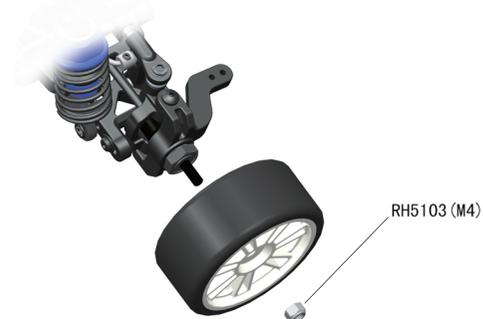
3. Assemble rear assembly to chassis rear part. (See Dia. 4-4)



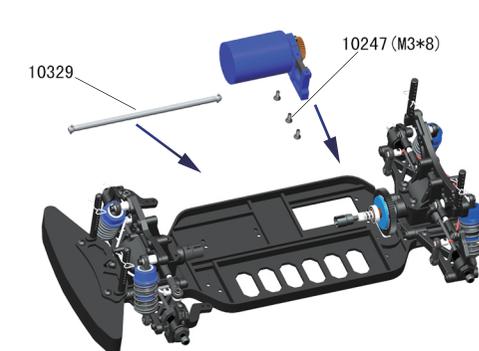
4. Assemble Front Bumper Assembly to chassis rear part. (See Dia. 5-4)



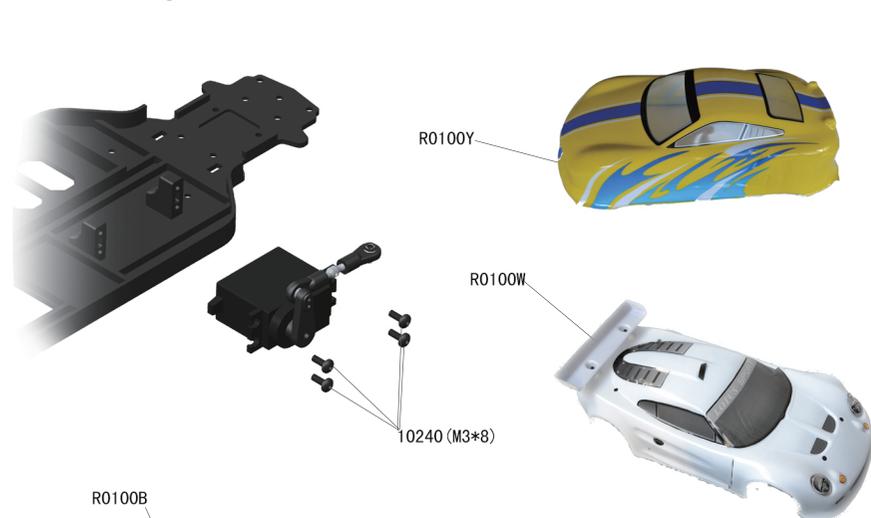
5. Mount the wheels.  
(See Dia. 2-4, 5-3)



6. Mount the motor assembly and central drive shaft. (See Dia. 3-6)



7. Assemble steering servo and linkage. (See Dia. 3-4)



8. Assemble ESC, receiver, battery and connect them to setup. (See Dia. 7-3, 7-5)

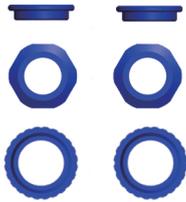
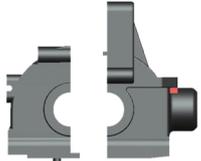
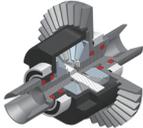
## Brushless System:



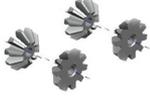
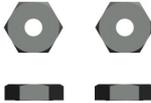
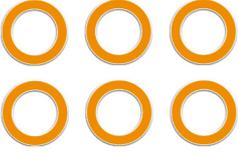
## Brushed system:



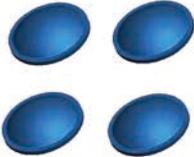
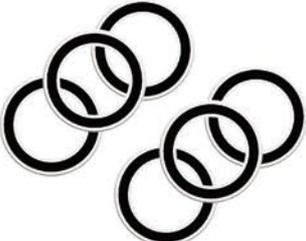
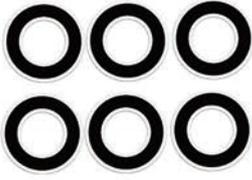
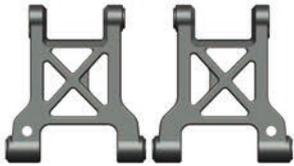
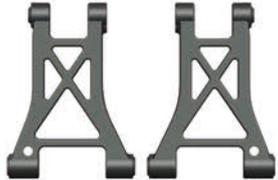
# Common Part List

<p>10383- Front Shock Tower 1pc</p> 	<p>10384-Rear Shock Tower 1pc</p> 	<p>10017-Front Shocks 2pc</p> 	<p>10018- Rear Shock Tower 2pc</p> 
<p>10387-Front Shock Spring 2pc</p> 	<p>10388-Rear Shock Spring 2pc</p> 	<p>10389-Front Shock Shaft &amp; Piston Set 2sets</p> 	<p>10390-Rear Shock Shaft &amp; Piston Set 2sets</p> 
<p>10391-Front Shock Body 2pc</p> 	<p>10392-Rear Shock body 2pc</p> 	<p>10428-Shock Cap&amp;Adjust Ring 2sets</p> 	<p>10429-Shock Lower holder 2sets</p> 
<p>10399-Sway Bar Fix Plate 6pcs</p> 	<p>10395-Steering Knuckle Arm 1set</p> 	<p>10115-Uprights 2pc</p> 	<p>10550-Rear Hub Carrier 2pc</p> 
<p>10118-Rear Drive Shaft 2pc</p> 	<p>10120-Front Susp. Holders 2pc</p> 	<p>10121-Rear Susp. Holders 2pc</p> 	<p>10123-Gearbox Housing Set 2pcs</p> 
<p>RH5526-Diff 16T Gear Washer 6pcs</p> 	<p>10124-Diff. Drive Gear w/pin 2sets</p> 	<p>10003-Diff Gearbox Set 1set</p> 	<p>10125-Diff Case 2pcs</p> 

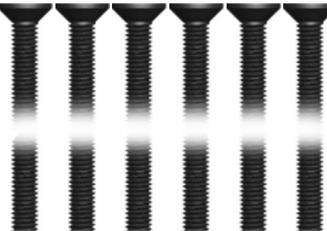
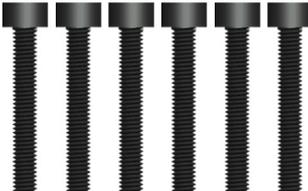
# Part List

<p>10127-Diff Drive Gear 2pcs</p> <p>13T</p> 	<p>10128-Diff Bevel Gear S. 4pcs</p> <p>10T</p> 	<p>10129-Diff Bevel Gear B. 4pcs</p> <p>13T</p> 	<p>10130-Diff pin 2pcs</p> 
<p>10416-Pinion Gear 30T 1pcs</p> 	<p>10132-Diff Drive Cup 4pcs</p> 	<p>10133-Center Coupler 3pcs</p> 	<p>10397-Body Post 1set</p> 
<p>10136-Servo Saver Post 2pcs</p> 	<p>10137-Steering Ackerman 1set</p> 	<p>10444-Wheel Hub 4pcs</p> 	<p>10147-Servo Saver 1set</p> 
<p>10153-Metal Bushing 8*5*2.5 6pcs</p> 	<p>10161-Servo Horn 1pc</p> 	<p>10185-Battery Cover 1pc</p> 	<p>10398-Battery and servo Post 1set</p> 
<p>10219-Sway Bar Holders 6pcs</p> 	<p>10190-Motor Mount 1pc</p> 	<p>10261-Slipper Complete 1set</p> 	<p>10192-Slipper Pad 2pcs</p> 
<p>10193-Slipper Gasket 2pcs</p> 	<p>10194-65T Spur Gear 1pc</p> 	<p>10400-Slipper Shaft 1pc</p> 	<p>10196-Slipper Spring Bracket 1pc</p> 

# Part List

<p>10197-Slipper Spring 1pc</p> 	<p>10199-Slipper Drive Cup 1pc</p> 	<p>10200-Bearing Bracket 1pc</p> 	<p>10214-Shock Ball End 6pcs</p> 
<p>10215-Servo Link Ball End 6pcs</p> 	<p>10216-Steering Linkage Ball End 6pcs</p> 	<p>10221-Ball B 6pcs</p> 	<p>10220-Ball A 6pcs</p> 
<p>10222-Ball C 6pcs</p> 	<p>10224-Shock O-ring(Lower) 6pcs</p> 	<p>10225-Diff O-ring Seal 6pcs</p> 	<p>10226-Shock Seal Cover 4pcs</p> 
<p>10228-Pin <math>\phi</math> 2*10 6pcs</p> 	<p>10232-Ball Bearing 15*10*4 6pcs</p> 	<p>10233-Ball Bearing 10*5*4 6pcs</p> 	<p>11068-C clip <math>\phi</math> 8mm 4pcs</p> 
<p>10237-E clip <math>\phi</math> 2.5mm 6pcs</p> 	<p>RH5190-E clip <math>\phi</math> 4mm 6pcs</p> 	<p>10401-Front Lower Susp.Arm 2pcs</p> 	<p>10402-Rear Lower Susp.Arm 2pcs</p> 
<p>10403-Front CVD 2sets</p> 	<p>10404-Upper Susp.Arm 4pcs</p> 	<p>10405-Steering Arm 2pcs</p> 	<p>10406-Servo Linkage 1pc</p> 

# Part List

<p>85175-Round Head Self Tapping Hex Screw 3*10 8pcs</p> 	<p>10239-Round Head Self Tapping Hex Screw M3*6 6pcs</p> 	<p>10240-Button Head Hex Screw M3*8 6pcs</p> 	<p>10241-Button Head Hex Screw M3*10 6pcs</p> 
<p>85184-Button Head Hex Screw M3*12 6pcs</p> 	<p>10242-Button Head Hex Screw M3*14 6pcs</p> 	<p>10247-Flat Head Hex M3*8 6pcs</p> 	<p>85125-Flat Head Hex Screw M3*10 8pcs</p> 
<p>10248-Flat Head Hex Screw M3*12 6pcs</p> 	<p>10249-Flat Head Hex Screw M3*14 6pcs</p> 	<p>85127-Flat Head Hex Screw M3*18 3pcs</p> 	<p>10250-Flat Head Hex Screw M3*20 6pcs</p> 
<p>10251-Flat Head Hex Screw M3*36 6pcs</p> 	<p>10385-Cap Head Hex Screw M3*20 6pcs</p> 	<p>10245-Cap Head Hex Screw M3*18 6pc</p> 	<p>85182-Cap Head Hex Screw M3*10 6pcs</p> 
<p>RH5118-Set Screw M4*10 6pcs</p> 	<p>RH5117-Set Screw M4*4 6pcs</p> 	<p>RH5116-Set Screw M3*3 6pcs</p> 	<p>RH5102-Nylon Lock Nut M3 6pcs</p> 
<p>RH5103-Nylon Lock Nut M4 6pcs</p> 	<p>85144-Ring Self Tapping Screw 3*4 4pcs</p> 	<p>10408-Sponge cover 1pcs</p> 	<p>10409-Bumper Rail 1pcs</p> 

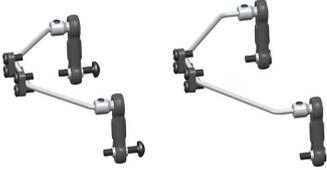
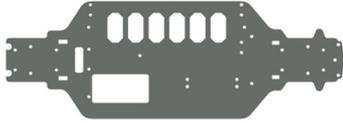
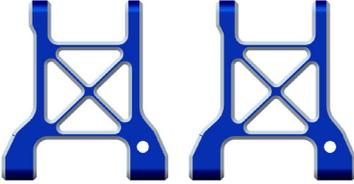
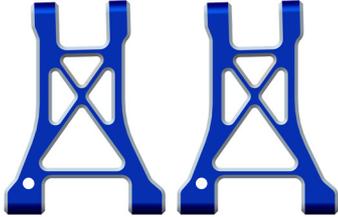
# Part List

<p>10410-Chassiss plate 1pcs</p> 	<p>10411-Upper plate 1pcs</p> 	<p>10412-Bull board strengthen column 1pcs</p> 	<p>10413-Rear Dogbone 2pcs</p> 
<p>10414-Center Drive Shaft 1pcs</p> 	<p>10415-Hinge Pins(long &amp; short) 1set</p> 	<p>H0049 -3kg/cm Servo 1pcs</p> 	<p>10417-Touring wheel complete 2sets</p> 
<p>10418-Touring tyre &amp; insert 2sets</p> 	<p>10419-Touring rim 2pcs</p> 	<p>85029-Body Clip(Small Size ) 6pcs</p> 	<p>85034-Body Clip(Medium Size) 6pcs</p> 
<p></p>	<p>H0068 - 2.4GHz FS-GT2 TX&amp;RX</p> 	<p></p>	<p>H0051-3650(4200KV) Brushless Motor 1pcs</p> 
<p>H0048 - 540 Brushed Motor 1pcs</p> 	<p>H0026 - Brushless ESC 1pcs</p> 	<p></p>	<p>85274-Li-Po 3250mAh 7.4V 1pcs</p> 
<p>H0030-Ni-MH 7.2V 1800mAh 1pcs H0031-Ni-MH 7.2V 3000mAh 1pcs</p> 	<p>10253 - 1/10 Charger CE 1pc 10254 - 1/10 Charger UL 1pc 10255 - 1/10 Charger BS 1pc</p> 	<p>H0050 -400A ESC 1pcs</p> 	<p>10407-Bumper sponge 1pcs</p> 

# Parts List

R0100B-Printed Body (BLACK) 1pcs 	R0100W-Printed Body (WHITE) 1pcs 	R0101R-Printed Body (RED) 1pcs 	R0101Y-Printed Body (YELLOW) 1pcs 
R0111R-Printed Body (RED) 1pcs 	R0111Y-Printed Body (YELLOW) 1pcs 	R0111BL-Printed Body (BLUE) 1pcs 	

# Upgrade Parts List

<p>10933-Sway Bar 1set</p> 	<p>10948-Chassis (Carbon) 1pc</p> 	<p>10949-Front Shock Tower (Carbon) 1pc</p> 	<p>10950-Rear Shock Tower (Carbon) 1pc</p> 
<p>10951-Upper plate (Carbon) 1pc</p> 	<p>10952-Front Lower Susp. Arm (AL) 2pcs</p> 	<p>10953-Rear Lower Susp. Arm (AL) 2pcs</p> 	<p>10954-Steering Knuckle Arm (AL) 1set</p> 
<p>10955-Rear Hub Carrier (AL) 2pcs</p> 	<p>10956-Battery cover (AL) 3pcs</p> 	<p>10957-Front bumper cover (Carbon) 1pc</p> 	<p>10958-Front Shocks (AL) 2pcs</p> 
<p>10959-Rear Shocks (AL) 2pcs</p> 		<p>10489-Drifting tyres 4pcs</p>  <p>RH1025D&amp;RH1026D</p>	