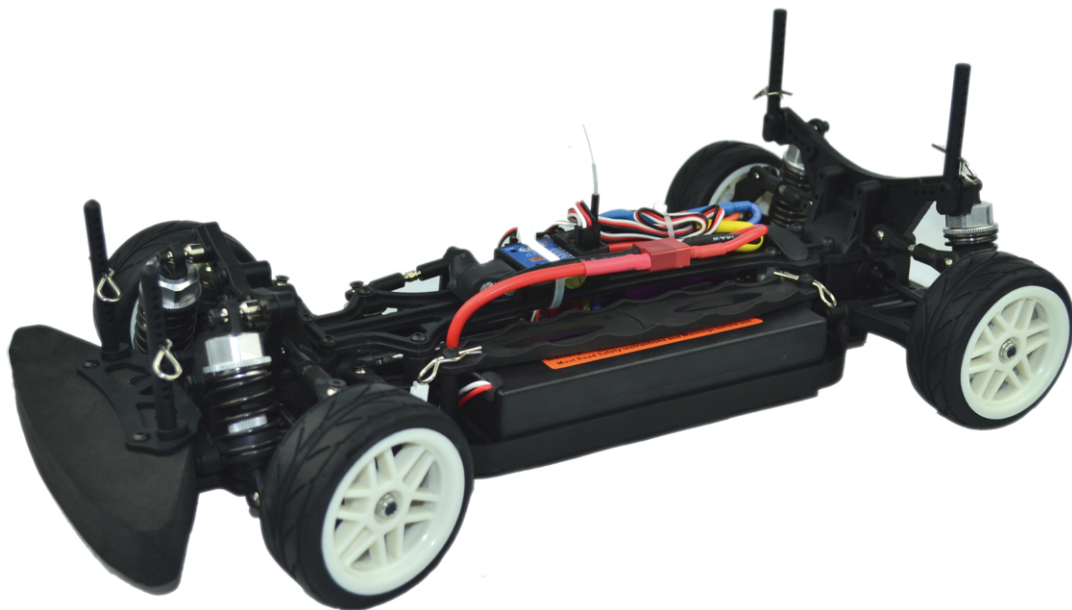


INSTRUCTION MANUAL

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)

Specs. :

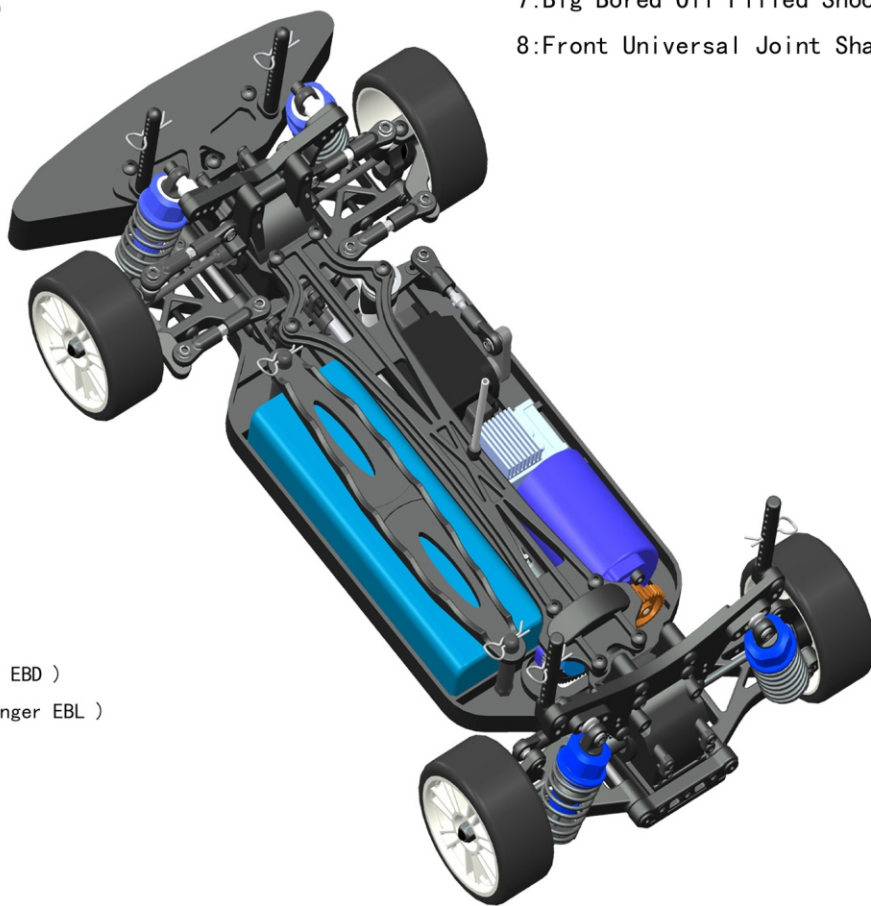
- 1、Length: 364 mm (Body shell not included)
- 2、Width: 190 mm
- 3、Wheelbase: 258/261 mm
- 4、Gear Ratio: 6.5:1
- 5、Tyre: $\varnothing 65 \times 26$ mm

Standard Equipments:

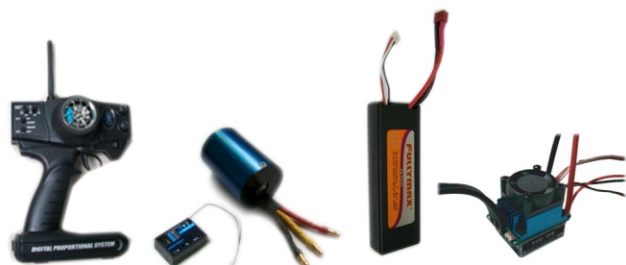
- 1、Steering Servo: 3kg/cm
- 2、Motor: 540 (X-Ranger EBD)
3650 (4200KV) (X-Ranger EBL)
- 3、ESC: 300A (X-Ranger EBD)
45A (X-Ranger EBL)
- 4、Battery: Ni-MH SC1800mAh 7.2V (X-Ranger EBD)
Li-Po 3250mAh 7.4V $\leq 25C$ (X-Ranger EBL)
- 5、RADIO: 2CH A M (X-Ranger EBD)
2CH 2.4GHz (X-Ranger EBL)

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



X-Ranger Brushless System Set:

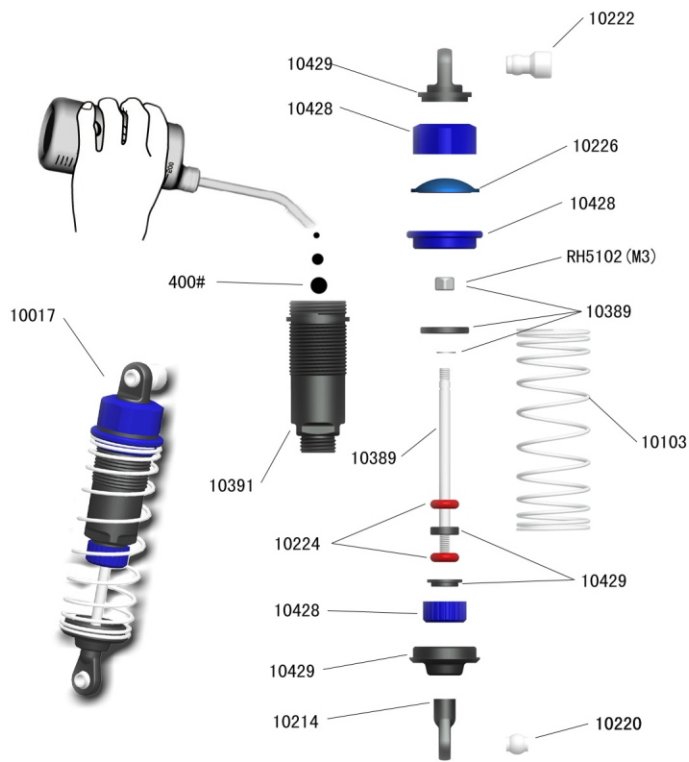


X-Ranger Brushed System Set:



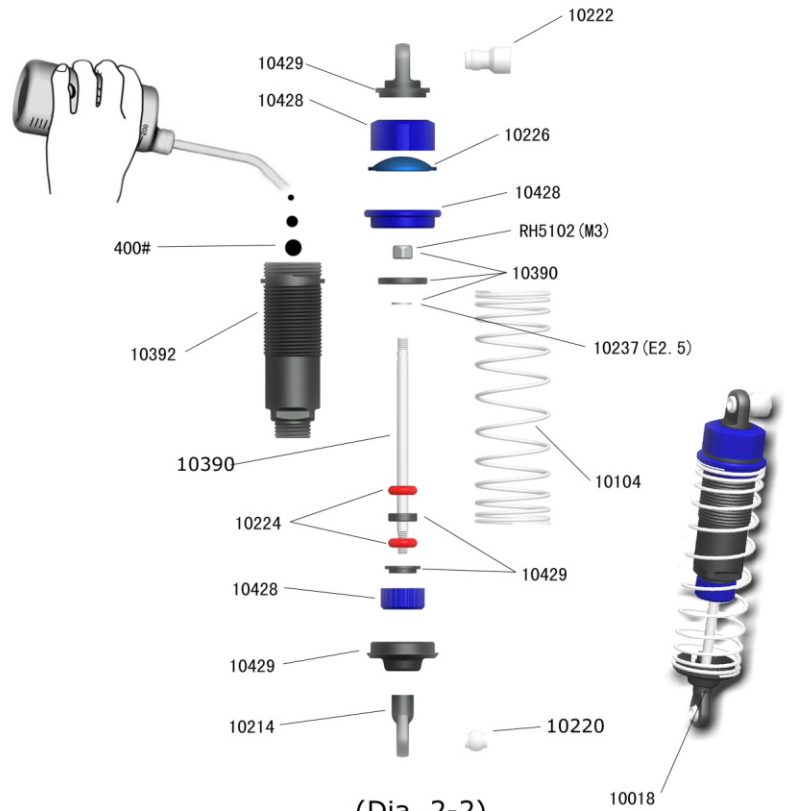
FRONT & REAR SHOCK ASSEMBLY

Front Shocks

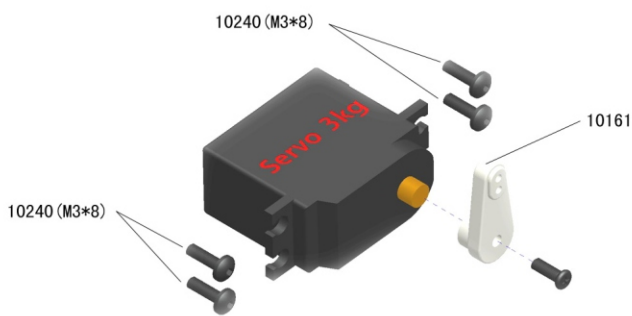


(Dia.2-1)

Rear Shocks



(Dia. 2-2)

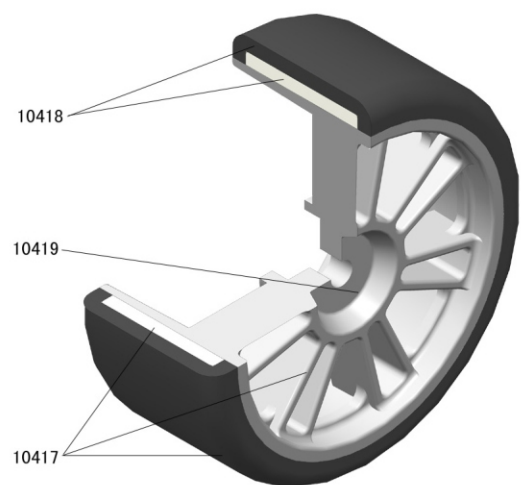


Steering Servo



(Dia.2-3)

Tyres



(Dia. 2-4)

X-Ranger EBD and X-Ranger EBL are only different in ESC, motor battery, charger and radio.

Attention:
X-Ranger EBD and X-Ranger EBL are only different in ESC, motor battery, charger and radio.

Central Assembly

10241 85184 10411 10241 85184 10398 10185 10398 85034 (Dia. 3-1) 10247 (M3*8) 10248 (M3*12) 11068 (C7.3) 10137 10135 10135 10136 10247 (M3*8) 10410 10398 10199

Rear Assembly

T10024-RH2011
T10025-RH2012

(Dia. 3-2)

10127

10237 (E2. 5)

Motor Assembly

Differential slipper complete is preinstalled in rear assembly complete.

10228, 10400, RH5117 (M4*4), 10192, 10193, 10194, 10193, 10192, 10232, 10196, 10197, 10252, 10199, RH5117 (M4*4), H0048 (Brushed), H0051 (4200KV Brushless), 10200, 10190, 10247 (M3*8), 10416 (30T), 85182 (M3*10), 10123, RH5190 (4), 10192, 10193, 10194, 10193, 10192, 10232, 10196, 10197, 10252, 10199, RH5117 (M4*4), H0048 (Brushed), H0051 (4200KV Brushless), 10200, 10190, 10247 (M3*8), 10416 (30T), 85182 (M3*10), 10123, RH5190 (4)

(Dia. 3-6)

H0026 (SPIRIT EBL)

H0050 (SPIRIT EBD)

(Dia. 3-3)

Diagram illustrating the assembly components for the H0011 component. The components are labeled as follows:

- H0011 (Main component)
- 10240 (M3*8) (Screw)
- 10248 (M3*12) (Screw)
- 10215 (Bracket/Support)
- 10220 (Washer/Spacer)
- 10406 (Bracket/Support)
- 10161 (Bracket/Support)

(Dia. 3-4)

H0068RX

(Dia. 3-5)

Front Assembly

10385 (M3*20)

85184 (M3*12)

10017

10383

Length of Susp. arm between two ball ends is 4MM

10251 (M3*36)

10248 (M3*12)

10251 (M3*36)

10228

10403

85144 (3*4)

10415

10120

10241 (M3*10)

10395

10233 (10*5*4)

10444

10395

10241 (M3*10)

85125 (M3*10)

10220

10249 (M3*14)

10249 (M3*14)

85125 (M3*10)

10404

10221

10415

10401

10233 (10*5*4)

10115

10241 (M3*10)

10232 (15*10*4)-RH1026

10152 (15*10*4)-RH1025

10126

10132

10238 (2*10)

10225

10130

10128

10129

10125

10225

10132

10232 (15*10*4)-RH1006/1007/1017

10152 (15*10*4)-RH1016

Diff. Box

10123

85127 (M3*18)

RH5526

10124

10127

10123

10133

RH5117 (M4*4)

10233 (10*5*4)-RH1006/1007/1017

10234 (10*5*4)-RH1016

Diff. Box

Gearbox Assembly

(Dia. 4-1)

(Dia. 4-2)

(Dia. 4-3)

Gearbox Assembly

10003

10241 (M3*10)

85184 (M3*12)

10245 (M3*18)

85184 (M3*12)

10018

10251 (M3*36)

10248 (M3*12)

10397

10121

10415

10402

85144 (3*4)

10118

10550

10233 (10*5*4)

10444

10233 (10*5*4)

10228

10415

10413

10404

10220

10221

10249 (M3*14)

10248 (M3*12)

10121

Gearbox Assembly

10397

85034

Length of Susp. arm between two ball ends is 4MM

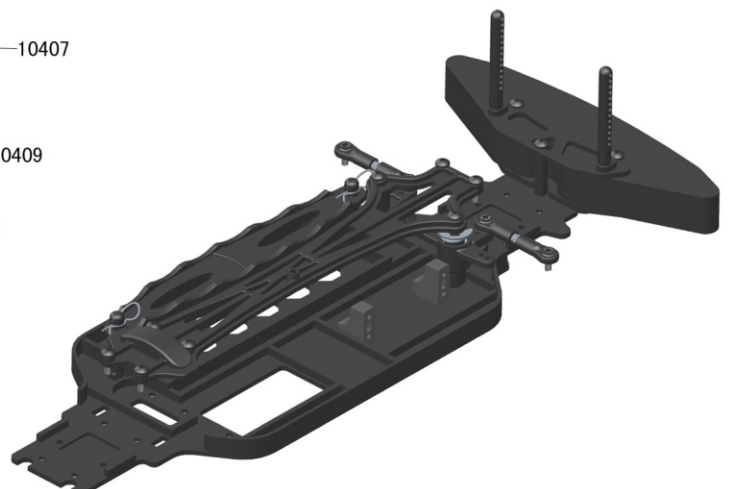
T10040-RH2011
T10041-RH2012

85125 (M3*10)

Rear Assmebly

(Dia 4-4)

Optional Front & Rear Sway Bar #10933.

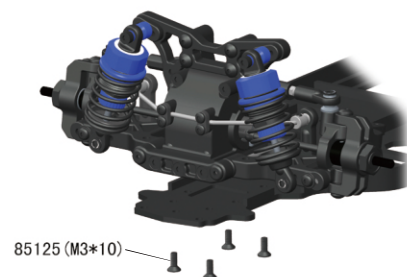


ASSEMBLY STEPS:

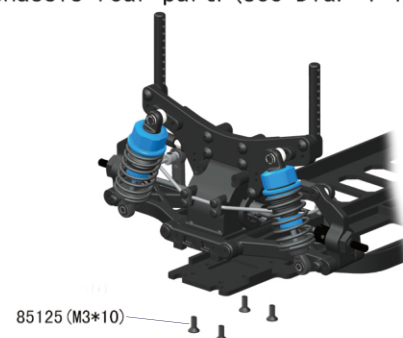
1、Assembly center chassis part(See Dia. 3-1)



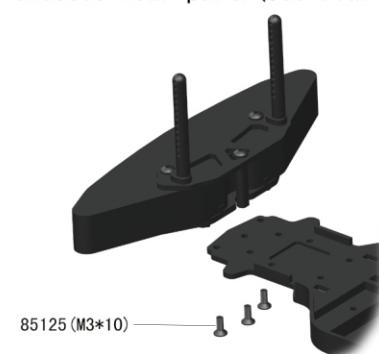
2、Assemble front assbly to chassis front. (See Dia. 4-1)



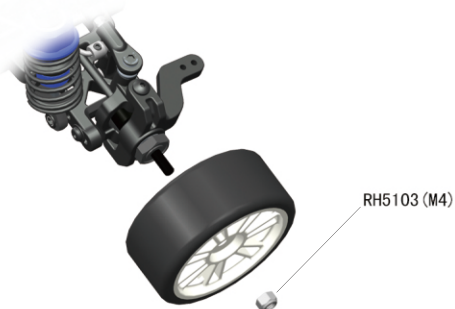
3、Assemble rear assbly to chassis rear part. (See Dia. 4-4)



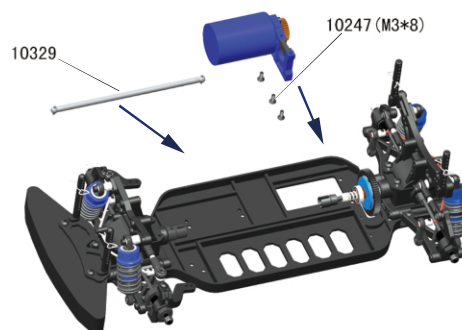
4、Assemble Front Bumper Assembly to chassis rear part. (See Dia. 5-4)



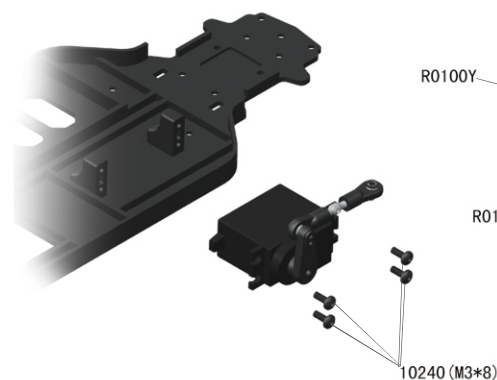
5、Mount the wheels.
(See Dia. 2-4、 5-3)



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



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

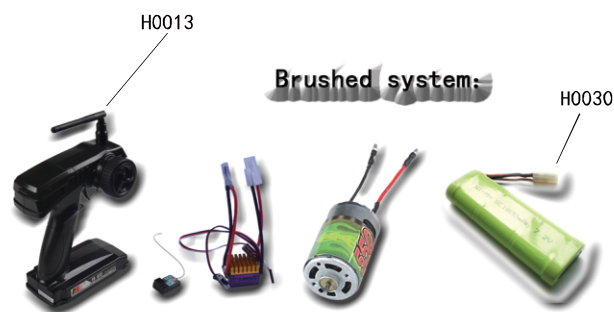


8、Assemble ESC, receiver, battery and connect them to setup. (See Dia. 7-3、 7-5)

Brushless System:



Brushed system:



R0100B



R0100R



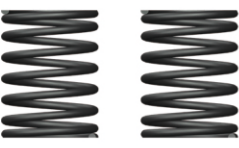
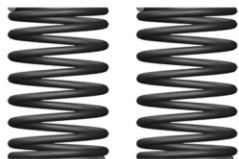
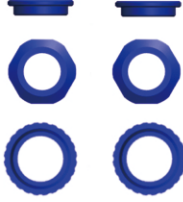
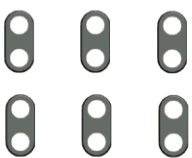
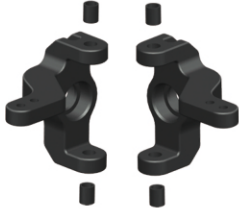
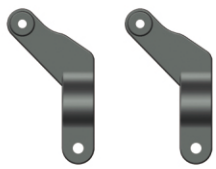
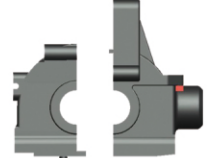
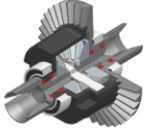
R0100Y



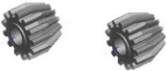
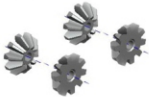
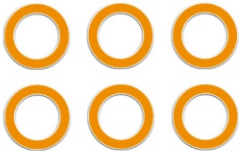
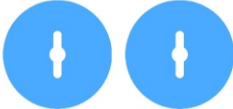
R0100W



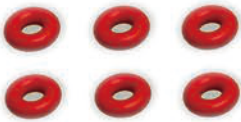
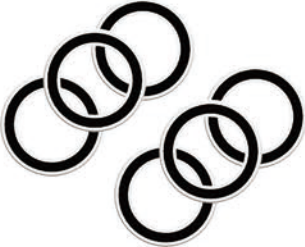
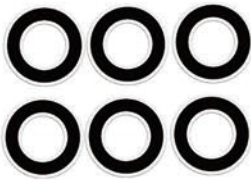
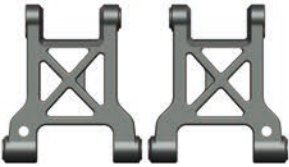
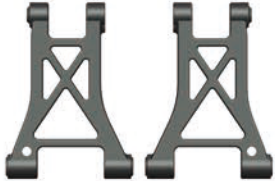
Common Part List

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

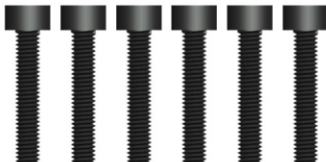
Part List

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

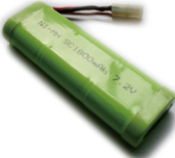
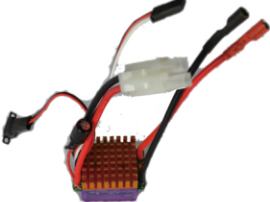
Part List

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

Part List

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

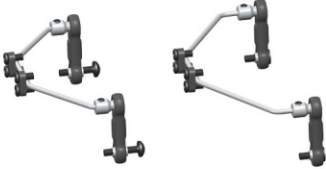
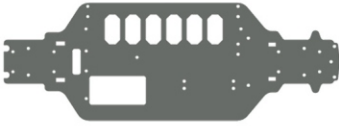
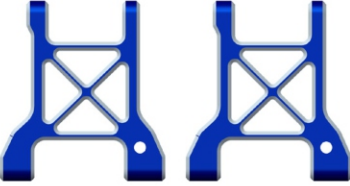
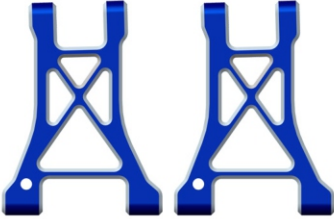
Part List

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

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

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