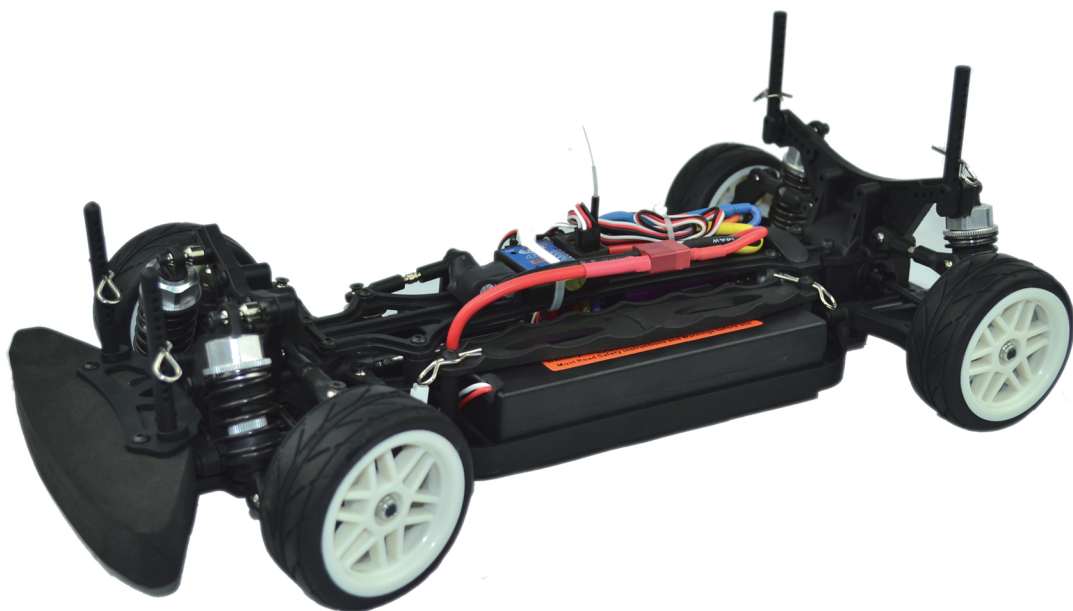


INSTRUCTION MANUAL

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:

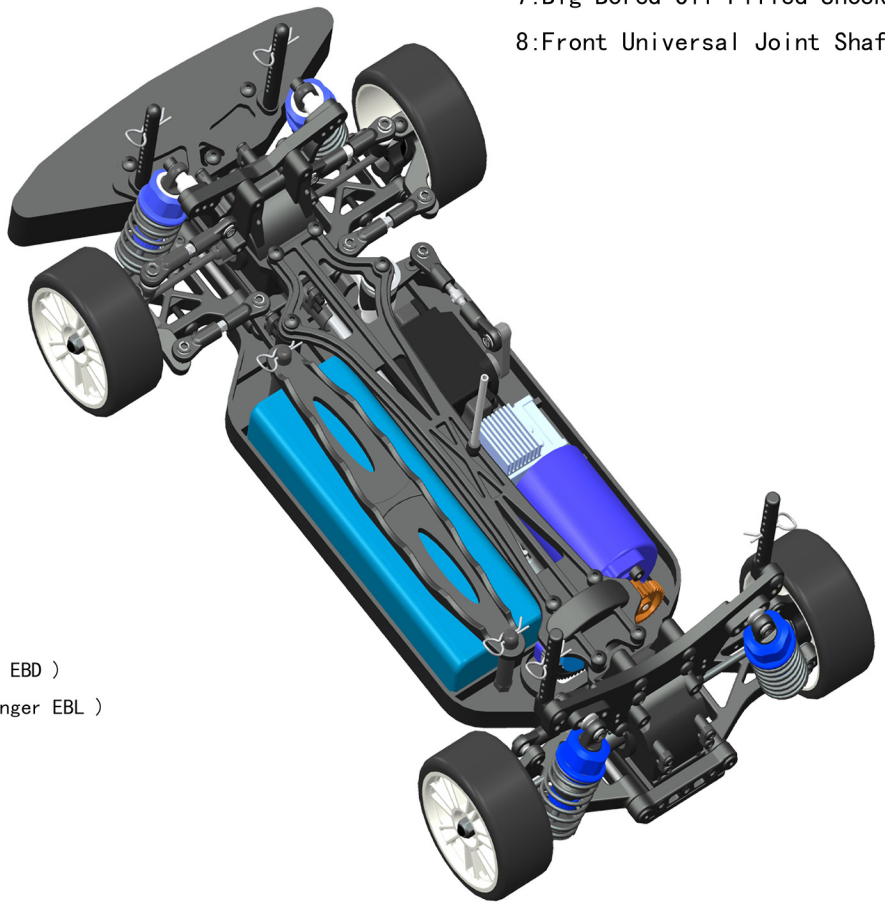
- 1:Alum motor mount
- 2:Slipper system
- 3:Front/rear sway bar
- 4:Low CG gearbox design
- 5:Metal diff. gear design
- 6:Adjustable Ground Clearance
- 7:Big Bored Oil Filled Shocks
- 8:Front Universal Joint Shafts

Specs. :

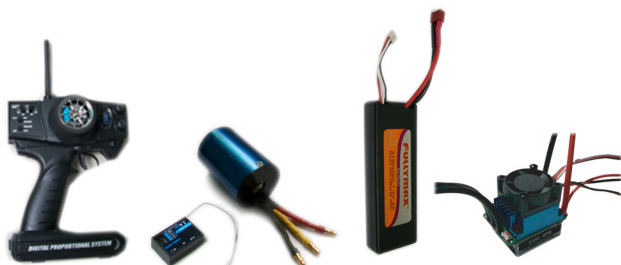
- 1、Length: 364 mm (Body shell not included)
- 2、Width: 190 mm
- 3、Wheelbase: 258/261 mm
- 4、Gear Ratio: 6.5:1
- 5、Tyre: $\varnothing 65 \times 26$ mm

Standard Equipments:

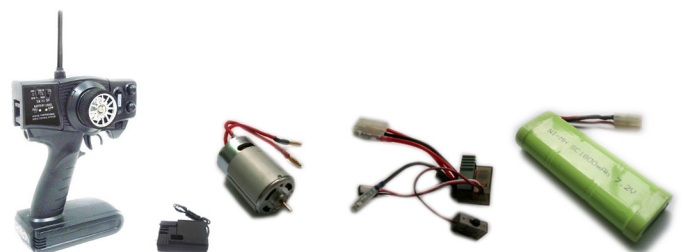
- 1、Steering Servo: 3kg/cm
- 2、Motor: 540 (X-Ranger EBD)
3650 (4200KV) (X-Ranger EBL)
- 3、ESC: 300A (X-Ranger EBD)
45A (X-Ranger EBL)
- 4、Battery: Ni-MH SC1800mAh 7.2V (X-Ranger EBD)
Li-Po 3250mAh 7.4V $\leq 25C$ (X-Ranger EBL)
- 5、RADIO: 2CH A M (X-Ranger EBD)
2CH 2.4GHz (X-Ranger EBL)



X-Ranger Brushless System Set:

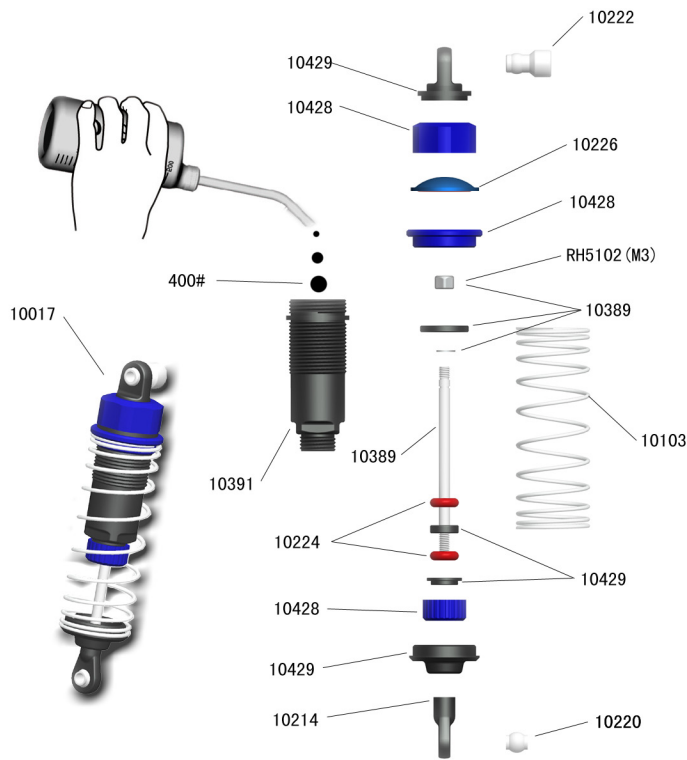


X-Ranger Brushed System Set:



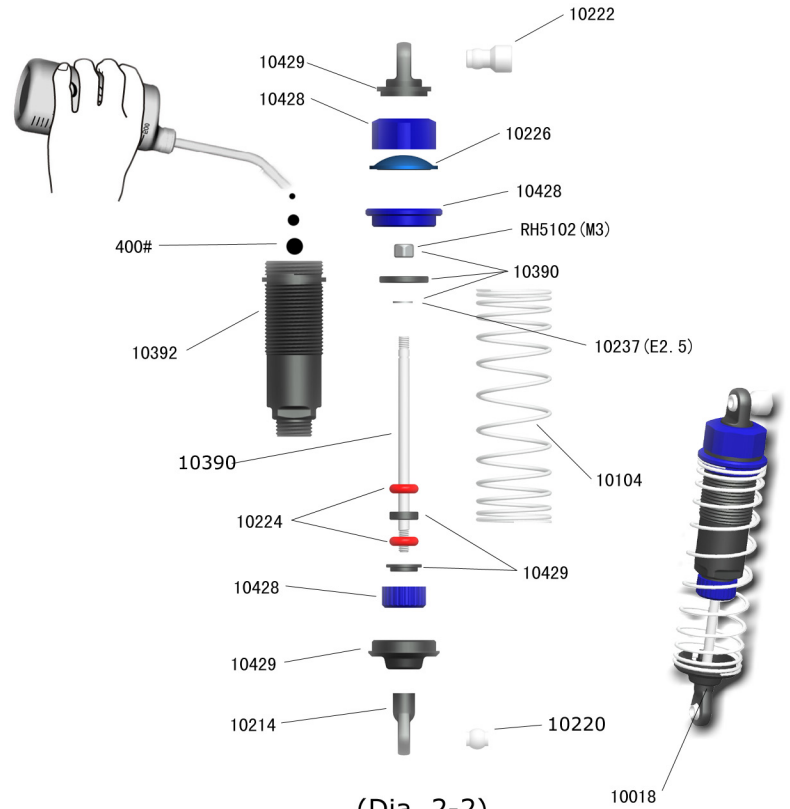
FRONT & REAR SHOCK ASSEMBLY

Front Shocks

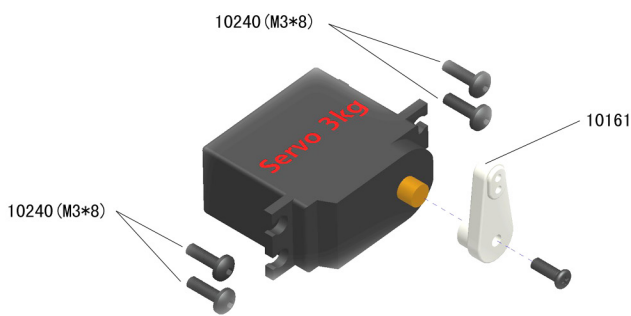


(Dia.2-1)

Rear Shocks



(Dia. 2-2)

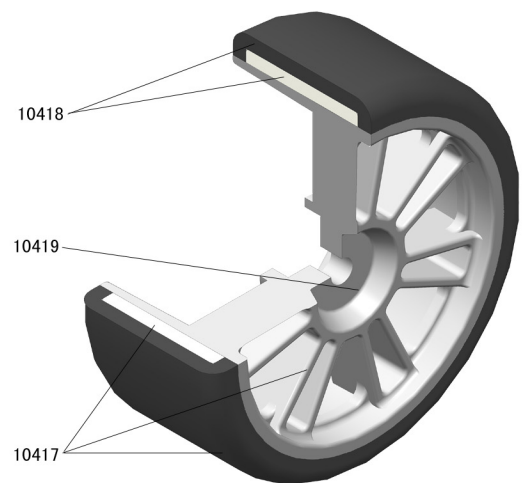


Steering Servo



(Dia.2-3)

Tyres



(Dia. 2-4)

Front Assembly

- T10040-RH2011
T10041-RH2012
- 10385 (M3*20)
- 10017
- 85184 (M3*12)
- 10251 (M3*36)
- 10248 (M3*12)
- 85184 (m3*12)
- 10383
- Length of Susp. arm between two ball ends is 4MM
- Gearbox Assembly
- 10228
- 10403
- 85144 (3*4)
- 10415
- 10120
- 85125 (M3*10)
- 10220
- 10249 (M3*14)
- 10249 (M3*14)
- 10404
- 85125 (M3*10)
- 10221
- 10401
- 10415
- 10233 (10*5*4)
- 10444
- 10395
- 10241 (M3*10)
- (Dia. 4-1)
- 10232 (15*10*4) -RH1026
10152 (15*10*4) -RH1025

The image displays two exploded view diagrams of a Differential Box (Diff. Box) assembly. The left diagram, labeled (Dia. 4-2), shows the assembly for a specific configuration with parts including 10233 (10*5*4) - RH1006/1007/1017, 10234 (10*5*4) - RH1016, RH5117 (M4*4), 10133, 10123, 10124, 10127, 10123, RH5526, and 85127 (M3*18). The right diagram, labeled (Dia. 4-3), shows an alternative configuration with parts including 10126, 10132, 10237 (E2.5), 10128, 10129, 10125, 10225, 10130, 10128, 10232 (15*10*4) - RH1006/1007/1017, 10152 (15*10*4) - RH1016, 10132, and 10238 (2*10). Both diagrams include a central 'Diff. Box' component and a small inset showing a cross-section of the assembled unit.

Gearbox Assembly

10245 (M3*18)

85184 (M3*12)

10018

85184 (M3*12)

10251 (M3*36)

10248 (M3*12)

10397

10121

10415

10402

10118

10550

10233 (10*5*4)

10444

10233 (10*5*4)

10228

10415

10413

10404

10220

10221

10248 (M3*12)

10249 (M3*14)

10249 (M3*14)

10248 (M3*12)

10040-RH2011

10041-RH2012

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

Gearbox Assembly

85125 (M3*10)

Rear Assmbley

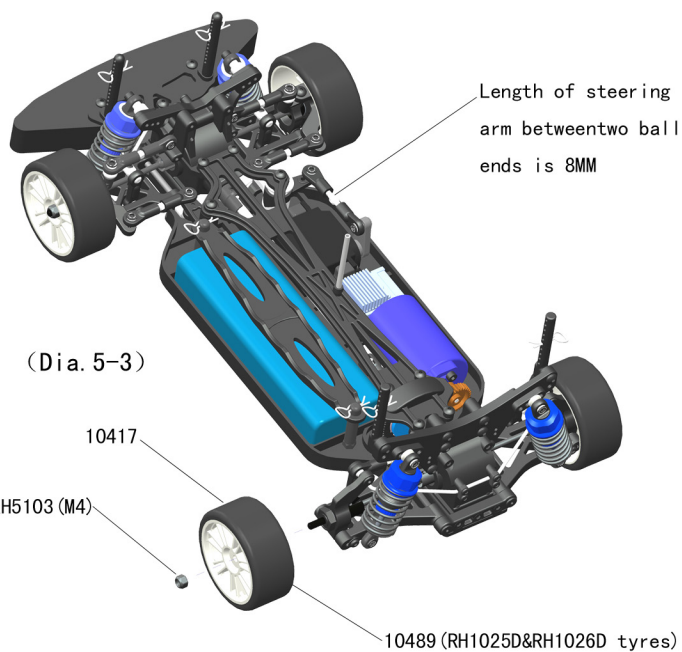
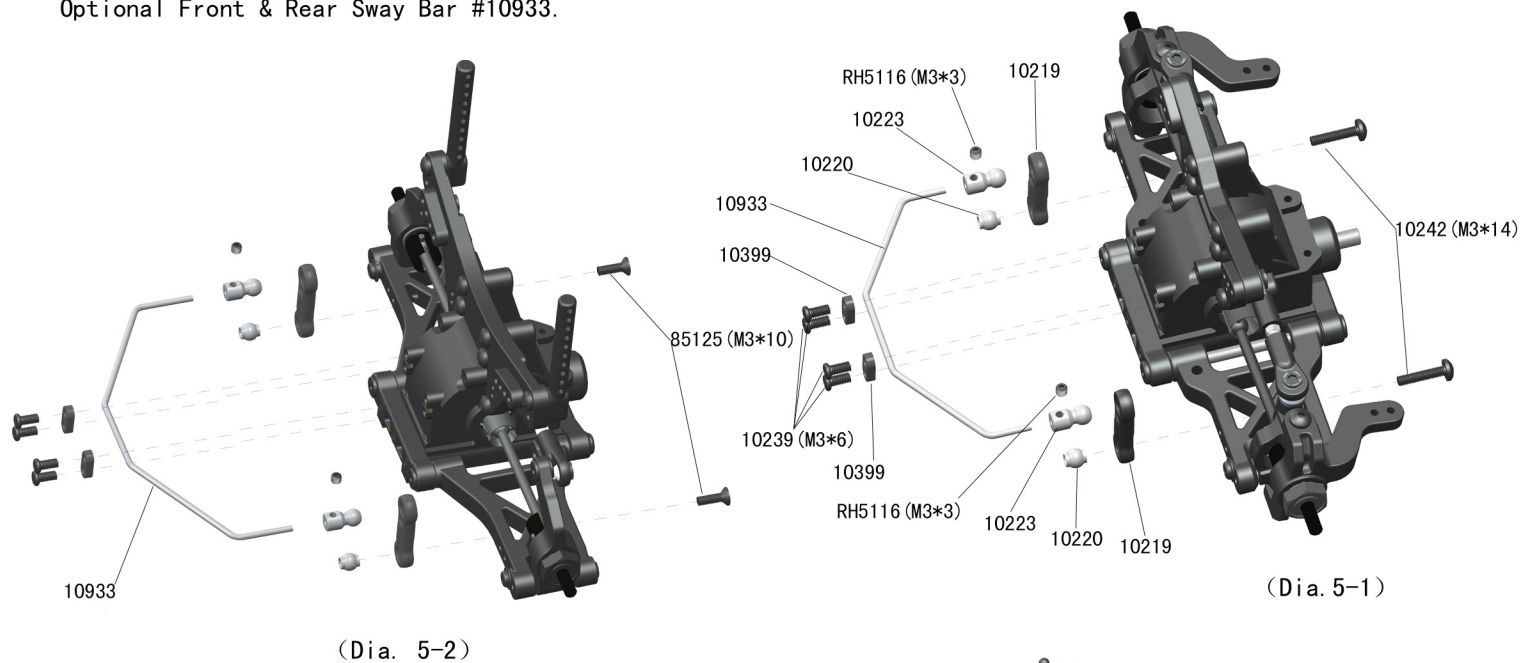
(Dia. 4-4)

Page 4 of 13

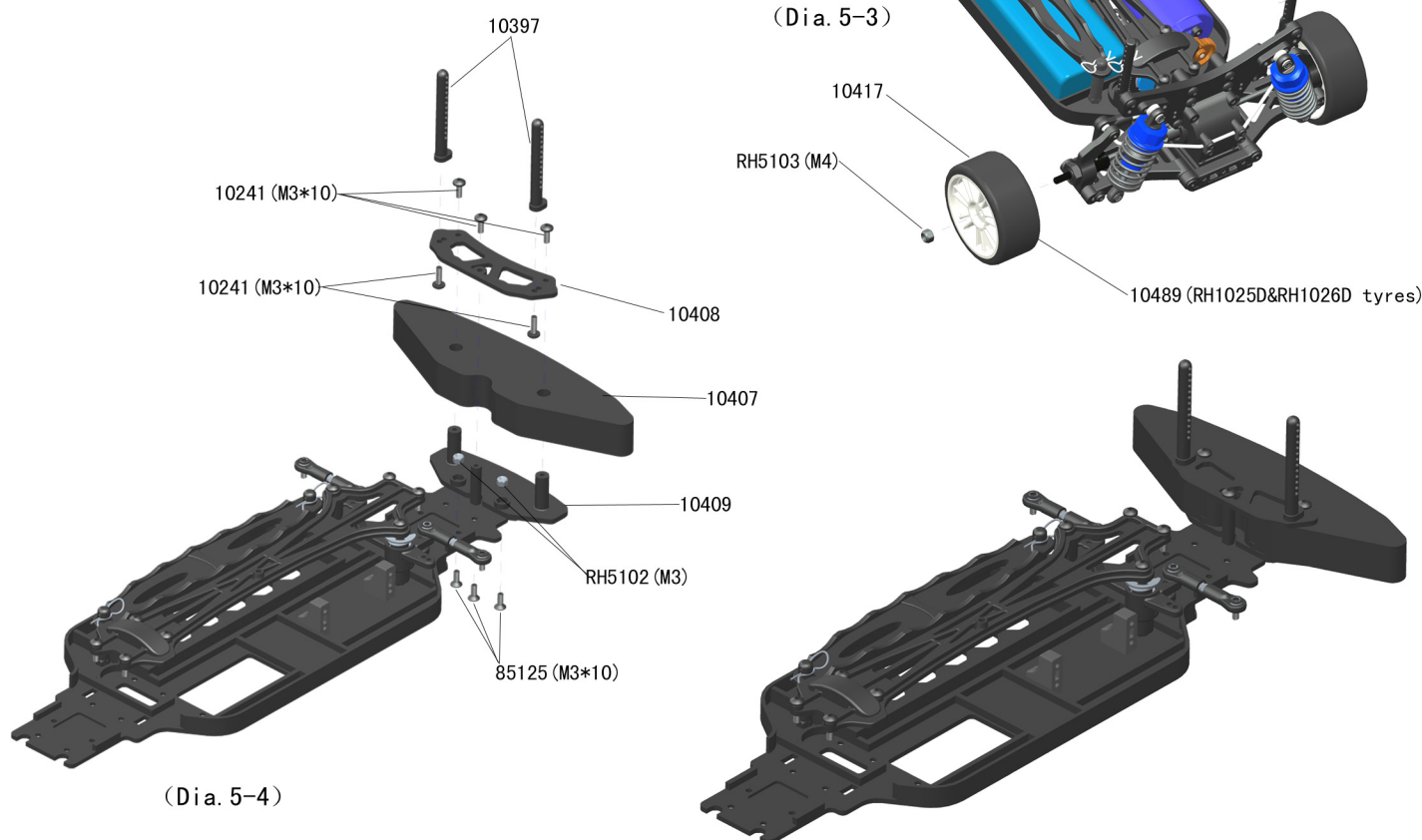
X-Ranger EBD and EBL is almost same but in electronics. X-Ranger EBD comes with brushed system and X-Ranger EBL with brushless system. For hobbyists, we have optional front and rear sway bar for upgrade, which adds higher racing performance.

Other assemblies please refer to Page 4&5

Optional Front & Rear Sway Bar #10933.

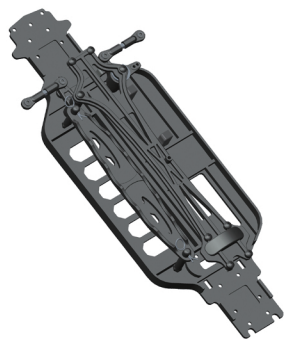


Front Bumper Assemblies.

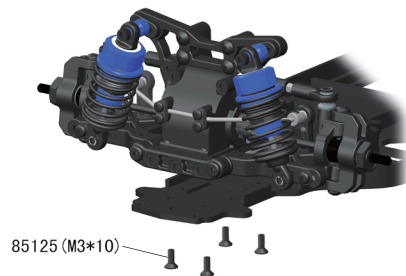


ASSEMBLY STEPS:

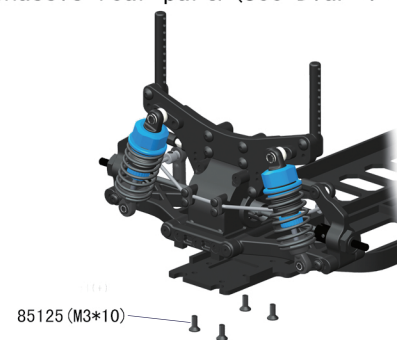
1、Assembly center chassis part(See Dia. 3-1)



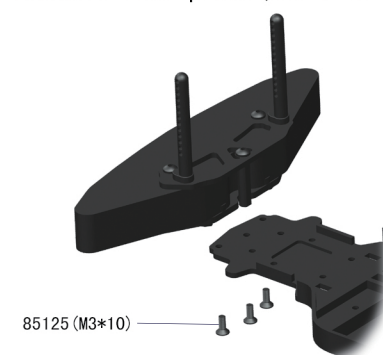
2、Assemble front assembly to chassis front. (See Dia. 4-1)



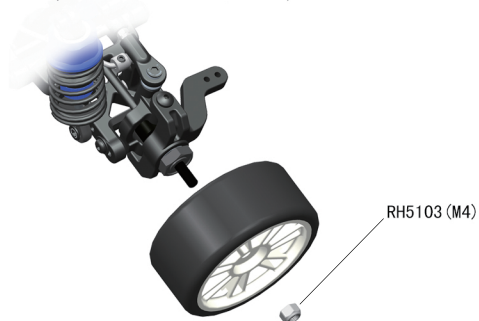
3、Assemble rear assembly to chassis rear part. (See Dia. 4-4)



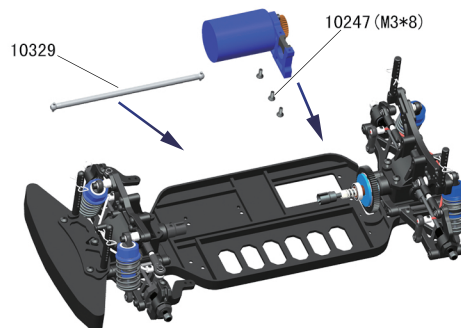
4、Assemble Front Bumper Assembly to chassis rear part. (See Dia. 5-4)



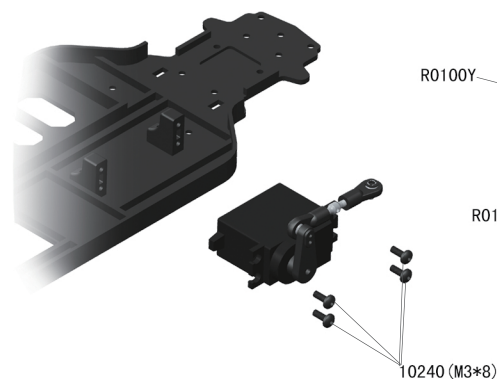
5、Mount the wheels.
(See Dia. 2-4, 5-3)



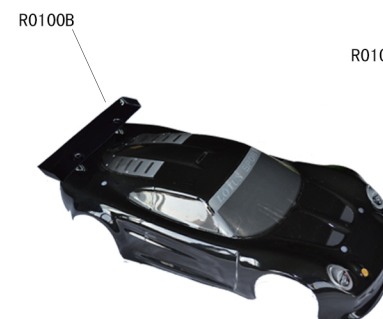
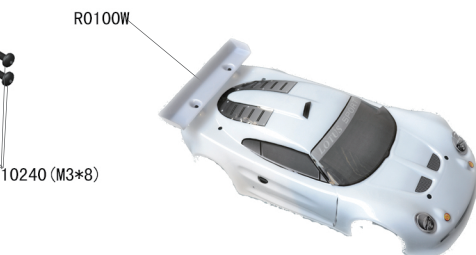
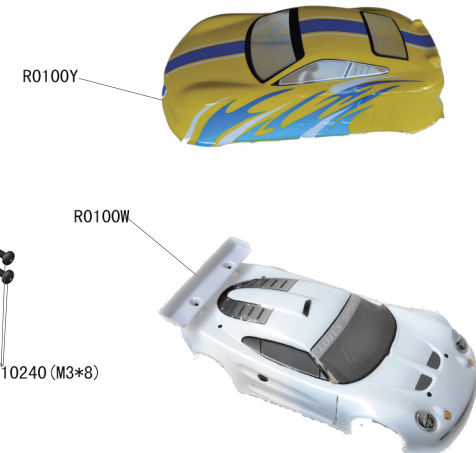
6、Mount the motor assembly and central drive shaft. (See Dia.3-6)



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



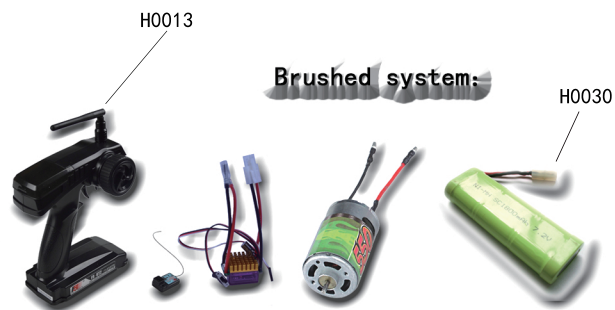
8、Assemble ESC, receiver, battery and connect them to setup. (See Dia. 7-3, 7-5)



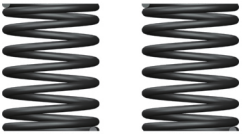
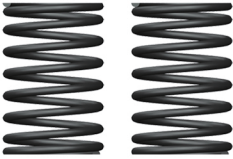
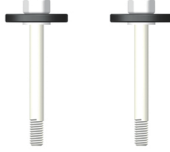
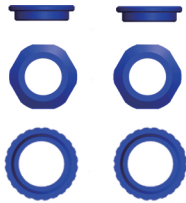
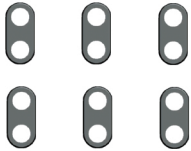
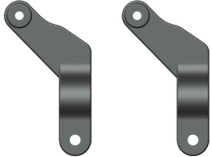
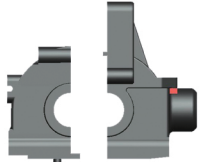
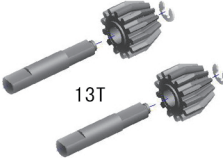
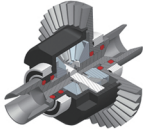
Brushless System:



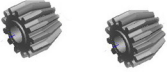
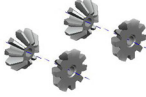
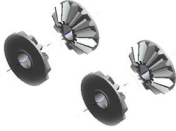
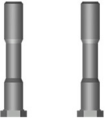
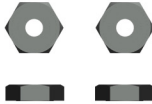
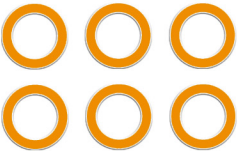
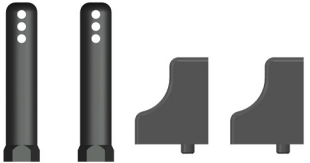
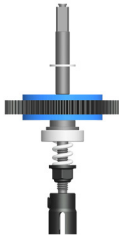
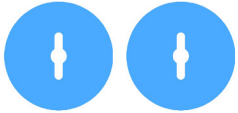
Brushed system:



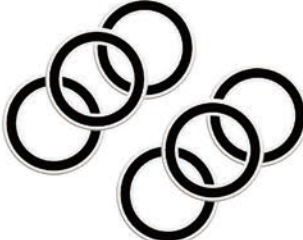
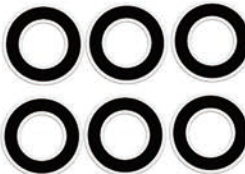
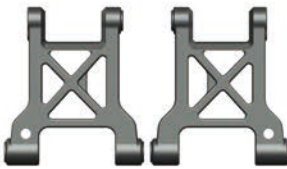
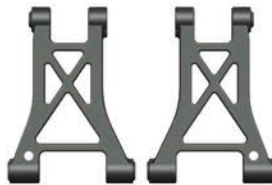
Common Part List

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 

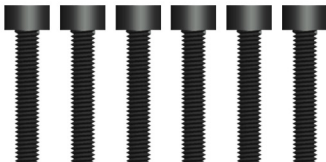
Part List

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 

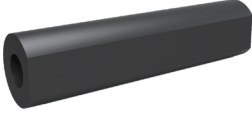
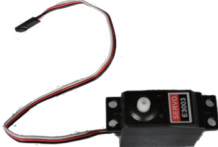
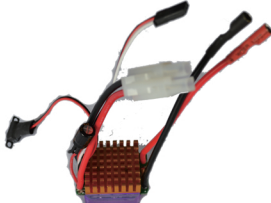
Part List

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 

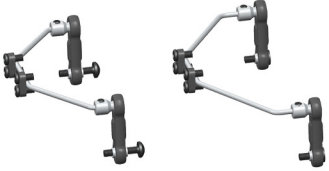
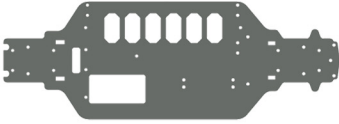
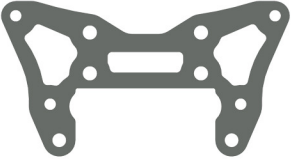
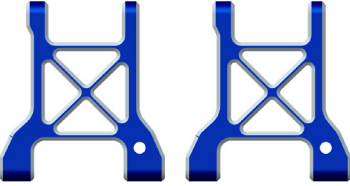
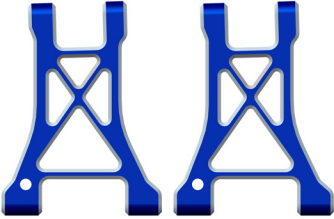
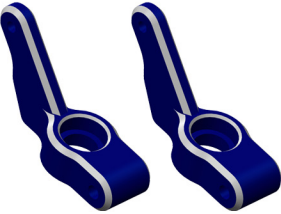
Part List

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	