

INSTRUCTION MANUAL

1/10 Scale 2WD Electric Buggy



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RH2011 Bullet EBD

RH2012 Bullet EBL

Specs. :

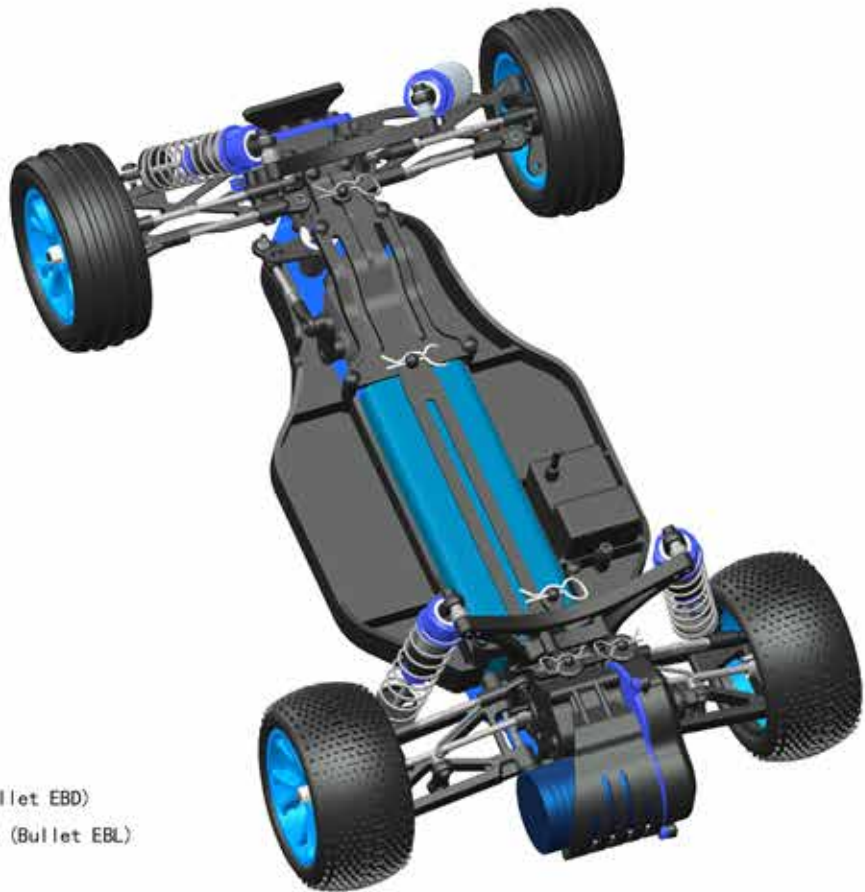
1. Length: 380 mm
2. Width: 250 mm
3. Height: 130 mm
4. Wheelbase: 272-275 mm
5. Gear Ratio: 8.1:1
6. Weight: 1500g

Standard Equipments:

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

Features:

1. Alum motor mount
2. Low CG gearbox design
3. Metal diff gear design
4. Front and rear sway bar
5. water proof receiver box
6. adjustable ground clearance
7. Big bored oil filled shocks
8. Alum chassis with mud plates
9. Slipper system(for brushless only)



Bullet EBL Brushless System Set:

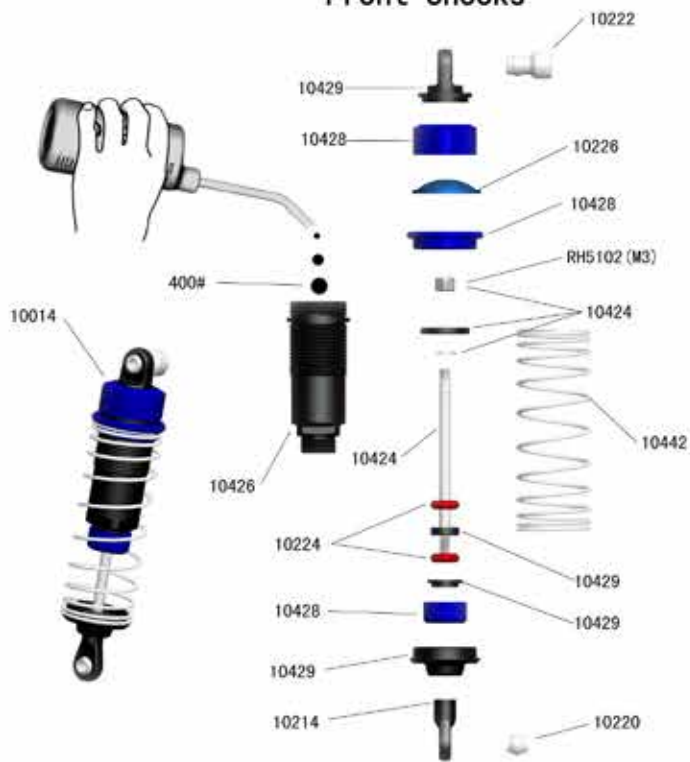


Bullet EBD Brushed System Set:



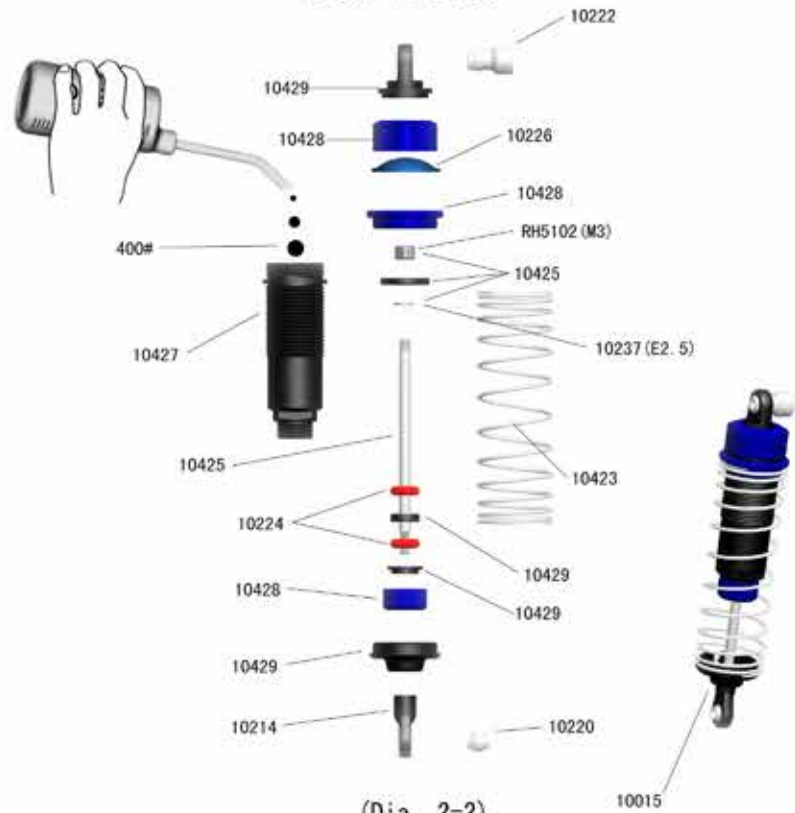
FRONT & REAR SHOCK ASSEMBLY

Front Shocks

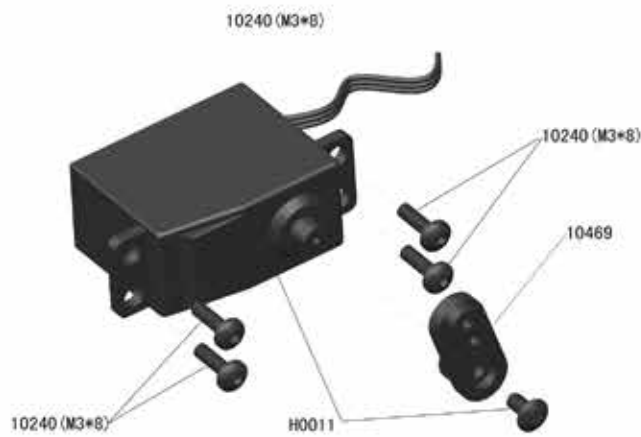


(Dia. 2-1)

Rear Shocks



(Dia. 2-2)

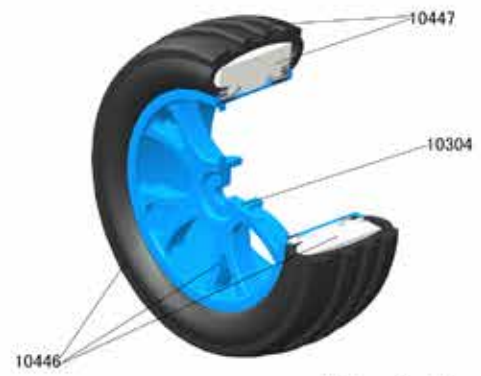


Steering Servo



(Dia. 2-3)

FRONT Tyres

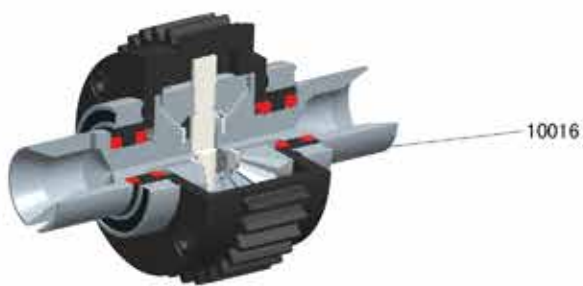


(Dia. 2-4)

Rear Tyres

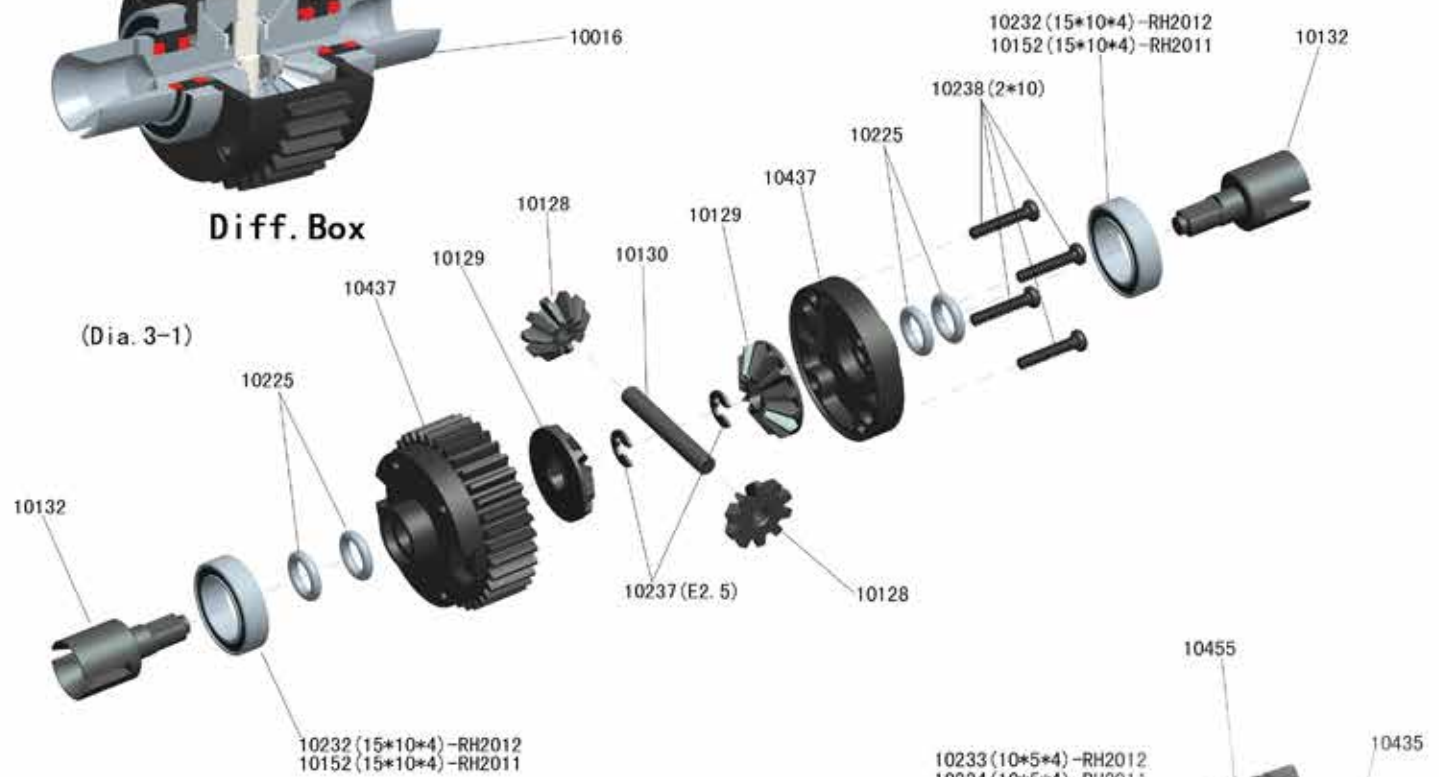


(Dia. 2-5)

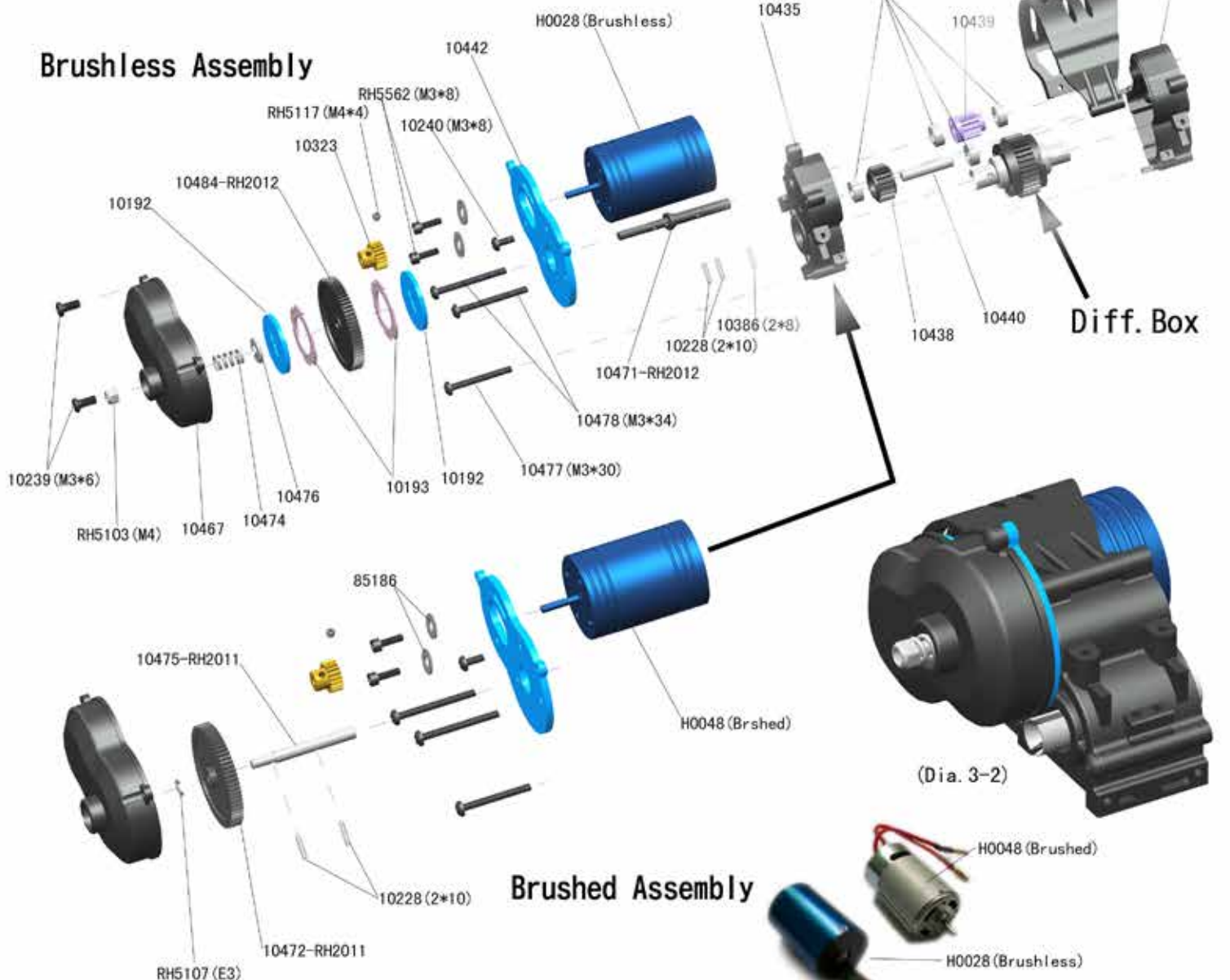


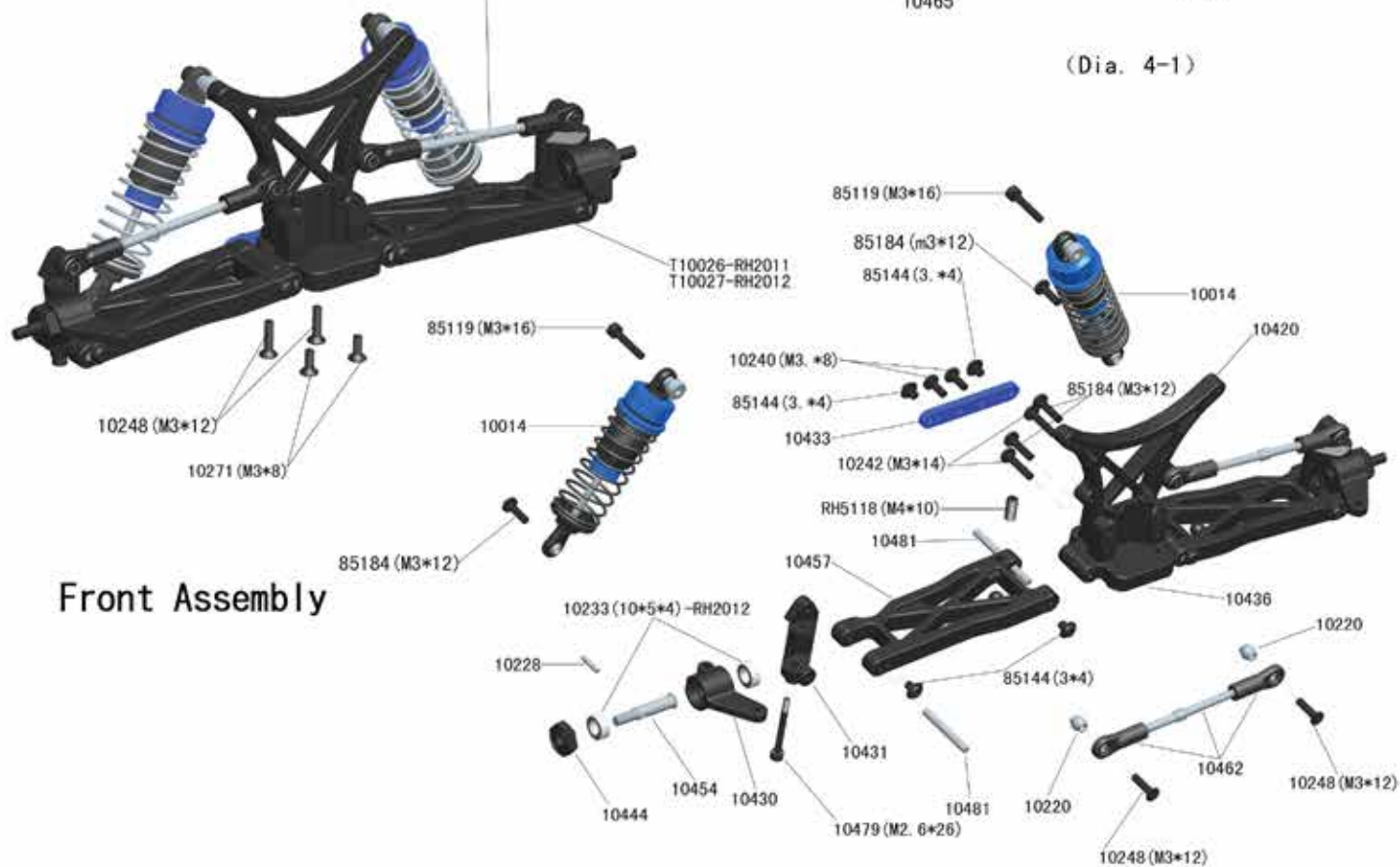
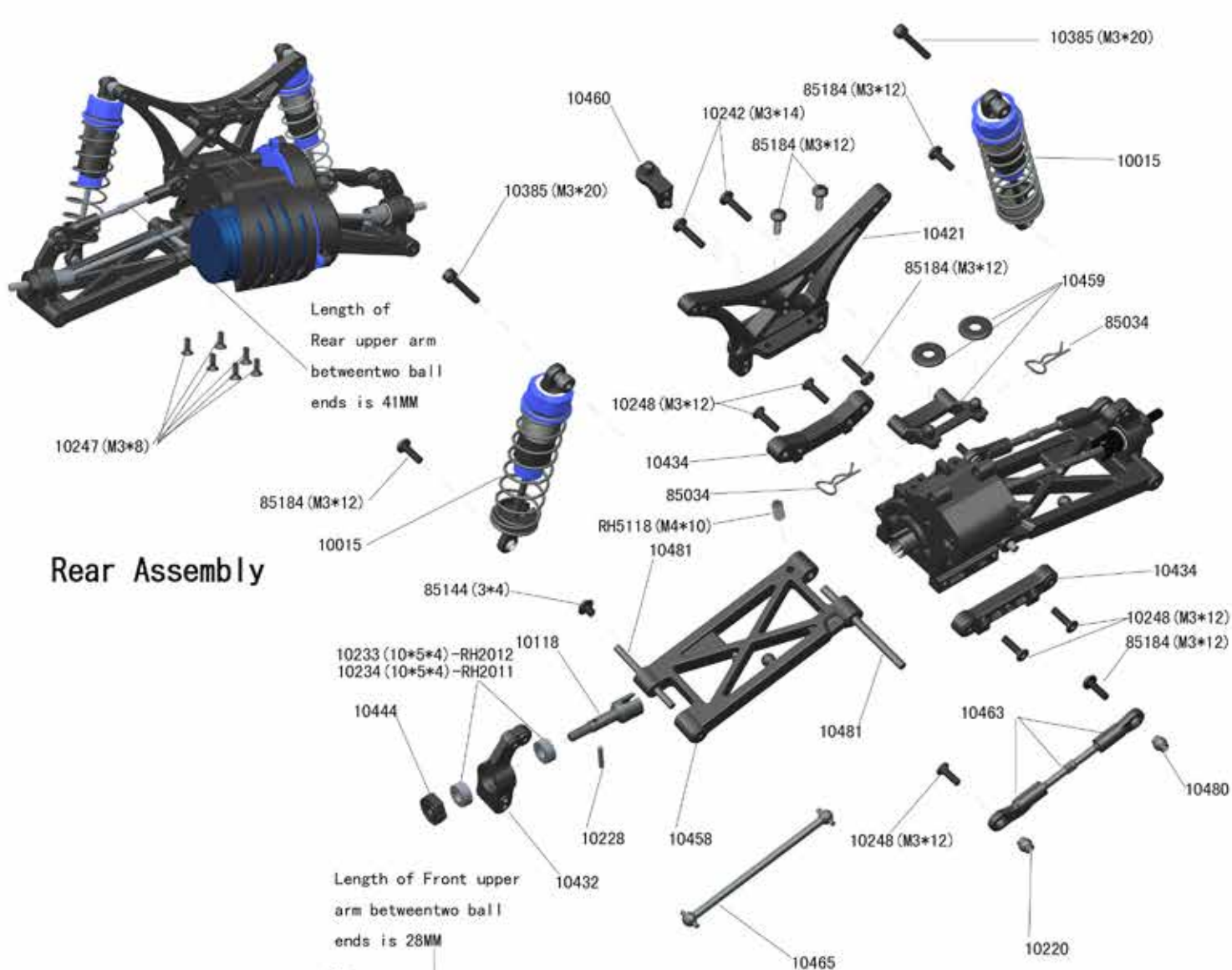
Diff. Box

(Dia. 3-1)

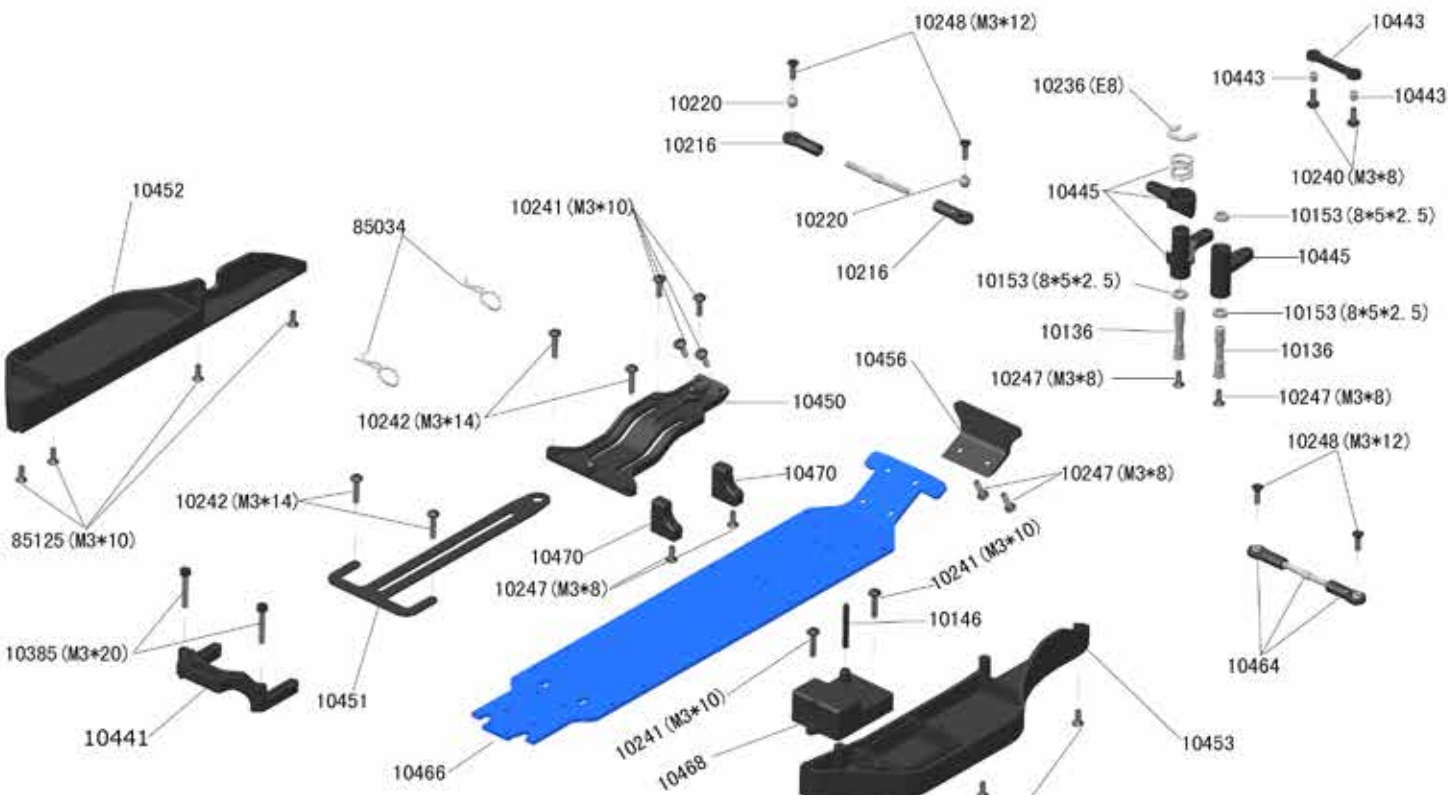


Brushless Assembly





Attention: SPIRIT EBD and SPIRIT EBL are only different in ESC, motor battery, charger and radio and slider system (only for brushless).

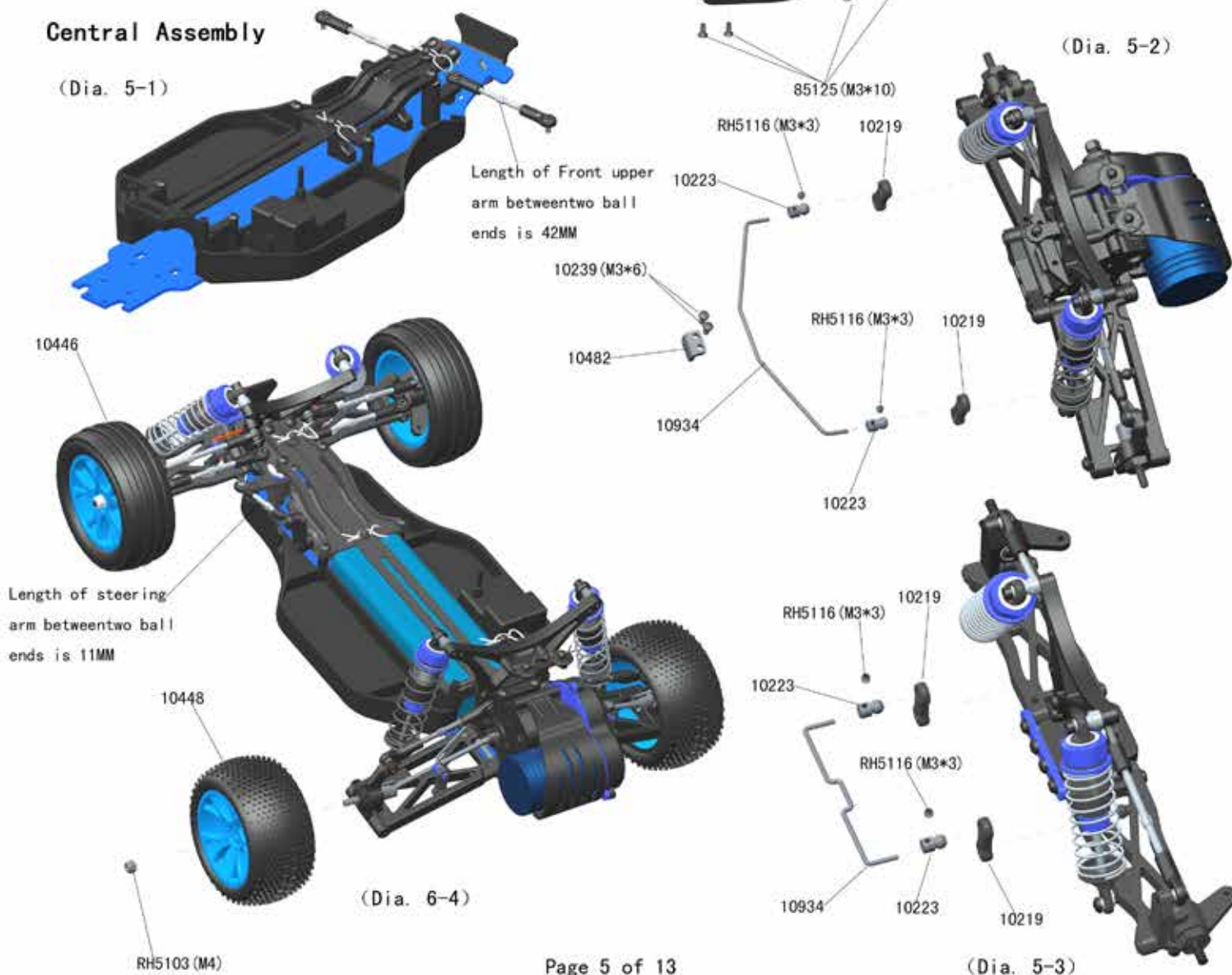


Central Assembly

(Dia. 5-1)

Length of Front upper
arm between two ball
ends is 42MM

(Dia. 5-2)



(Dia. 5-3)

ASSEMBLY STEPS:

1. Assembly center chassis part(See Dia. 5-1)



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



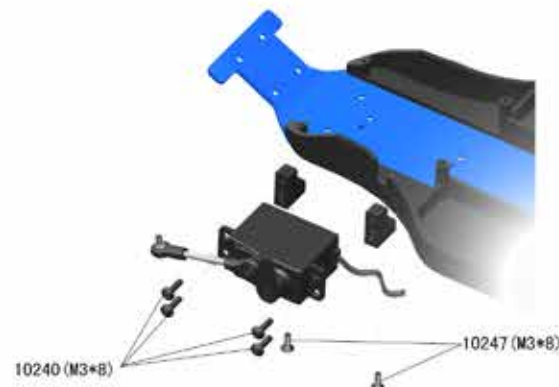
3. Assemble rear assembly to chassis rear part. (See Dia. 3-1.3-2.4-1)



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



5. Assemble steering servo and linkage. (See Dia. 2-3)

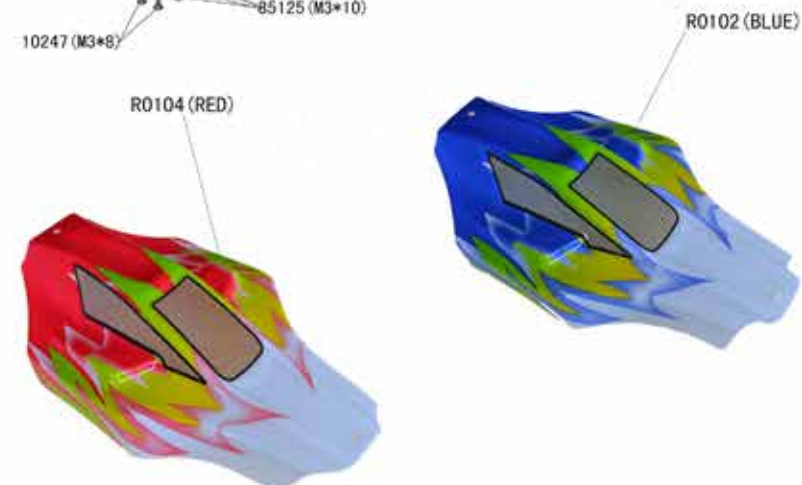


8. Assemble ESC, receiver, battery and connect them to setup.

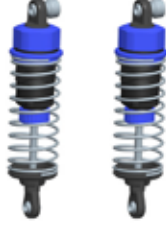
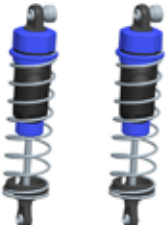
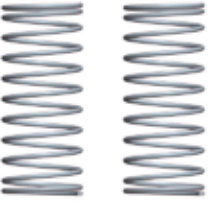
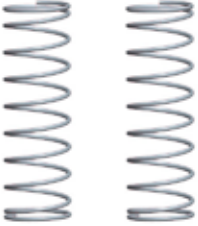
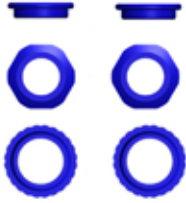
Brushless System:



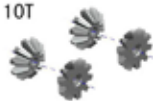
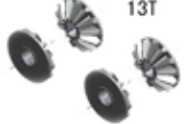
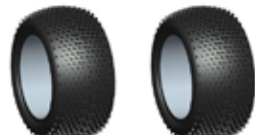
Brushed system:



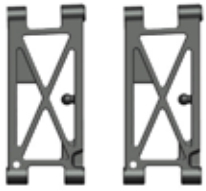
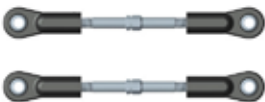
Common Part List

10420-Front Shock Tower 1pc  RH2011/RH2012	10421-Rear Shock Tower 1pc  RH2011/RH2012	10014-Front Shocks 2pcs  RH2011/RH2012	10015- Rear Shocks 2pcs  RH2011/RH2012
10422-Front Shock Spring 2pcs  RH2011/RH2012	10423-Rear Shock Spring 2pcs  RH2011/RH2012	10424-Front Shock Shaft & Piston Set 2sets  RH2011/RH2012	10425-Rear Shock Shaft & Piston Set 2sets  RH2011/RH2012
10426-Front Shock Body 2pcs  RH2011/RH2012	10427-Rear Shock body 2pcs  RH2011/RH2012	10428-Shock Cap&Adjust Ring 2sets  RH2011/RH2012	10429-Shock Lower holder 2sets  RH2011/RH2012
10146-Antenna Pipe Set 2sets  RH2011/RH2012	10430-Steering Knuckle Arm 1set  RH2011/RH2012	10431-Uprights 2pcs  RH2011/RH2012	10432-Rear Hub Carrier 2pcs  RH2011/RH2012
10118-Rear Drive Shaft 2pcs  RH2011/RH2012	10433-Front Susp. Holders 1pc  RH2011/RH2012	10434-Rear Susp. Holders 2pcs  RH2011/RH2012	10435-Gearbox Housing Set 2pcs  RH2011/RH2012
10436-Front shock tower holder 1pc  RH2011/RH2012	10476-Slipper Spring Bracket 1pc  RH2012	10016-Diff Gearbox Set 1set  RH2011/RH2012	10437-Diff Case 2pcs  RH2011/RH2012

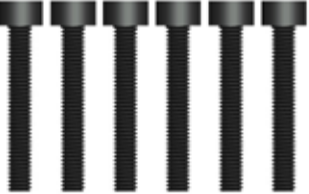
Common Part List

10438-19T Gear 1pc  19T RH2011/RH2012	10439-13T Gear 1pc  13T RH2011/RH2012	10128-Diff Bevel Gear S. 4pcs  10T RH2011/RH2012	10129-Diff Bevel Gear B. 4pcs  13T RH2011/RH2012
10130-Diff Pin 2pcs  RH2011/RH2012	10440-Gear shaft 1pc  RH2011/RH2012	10132-Diff Drive Cup 4pcs  RH2011/RH2012	10441-Rear top deck 1pc  RH2011/RH2012
10442-Motor Mount 1pc  RH2011/RH2012	10136-Servo Saver Post 2pcs  RH2011/RH2012	10443-Steering Ackerman 1set  RH2011/RH2012	10145-Wheel Hub 4pcs  RH2011/RH2012
10192-Slipper Pad 2pcs  RH2012	10445-Servo Saver 1set  RH2011/RH2012	10446-Front buggy tyre set 2sets  RH2011/RH2012	10447-Front tyres & inner foams 2sets  RH2011/RH2012
10448-Rear buggy tyre set 2sets  RH2011/RH2012	10449-Rear tyres & inner foams 2sets  RH2011/RH2012	10304-Front Rim 2pcs 10332-Rear Rim 2pcs  RH2011/RH2012	10450-Upper plate 1pc  RH2011/RH2012
10451-Battery Cover 1pc  RH2011/RH2012	10452-Chassis mud guard(L) 1pc  RH2011/RH2012	10453-Chassis mud guard(R) 1pc  RH2011/RH2012	10454-Front drive shaft 2pcs  RH2011/RH2012

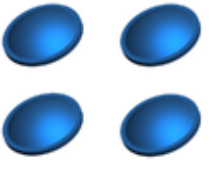
Part List

10455-Motor cover 1pc  RH2011/RH2012	10456-Front Bumper 1pc  RH2011/RH2012	10457-Front Lower Susp. Arm 2pcs  RH2011/RH2012	10458-Rear Lower Susp. Arm 2pcs  RH2011/RH2012
10459-Wing Holder 1set  RH2011/RH2012	10460-Buggy Body Mount 1set  RH2011/RH2012	10461-Servo Linkage 1set  RH2011/RH2012	10462-Front Upper Susp. Arm 2sets  RH2011/RH2012
10463-Rear Upper Susp. Arm 2sets  RH2011/RH2012	10464-Steering Arm 2sets  RH2011/RH2012	10465-Rear Dogbone 2pcs  RH2011/RH2012	10466-Chassis Plate 1pc  RH2011/RH2012
10467-Gear cover 1pc  RH2011/RH2012	10468-Receiver Box 1set  RH2011/RH2012	10469-Servo Horn 1pc  RH2011/RH2012	10470-Servo post 2pcs  RH2011/RH2012
10471-Slipper shaft (EBL) 1pc  RH2012	10228-Pin $\varnothing 2 \times 10$ 6pcs  RH2011/RH2012	10193-Slipper Gasket 2pcs  RH2012	10472-70T Spur Gear 1pc (Brushed) 10484-70T Spur Gear 1pc (Brushless)  RH2011/RH2012
RH5107-E clip-3mm 6pcs 	10474-Slipper Spring 1pc  RH2012	10475-Slipper shaft (EBD) 1pc  RH2011	10323-Pinion Gear 23T 1pc  RH2011/RH2012

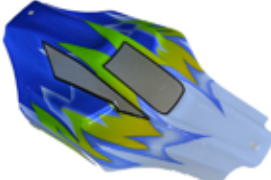
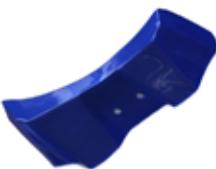
Part List

10236-E clip-8mm 4pcs 	10237-E clip-2.5mm 6pcs 	RH5103-Nylon Lock Nut-M4 6pcs 	RH5102-Nylon Lock Nut M3 6pcs 
10239-Round Head Self Tapping Hex Screw M3*6 6pcs 	10238-Round Head Self Tapping Hex Screw 2*10 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 	10477-Button Head Hex Screw M3*30 6pcs 	10478-Button Head Hex Screw M3*34 6pcs 
85144-Ring Self Tapping Screw 3*4 4pcs 	RH5117-Set Screw M4*4 6pc 	RH5118-Button Head Hex Screw M4*10 6pcs 	10479-Cap Head Hex Screw M2.6*26 6pcs 
RH5562-Cap Head Hex Screw M3*8 6pcs 	10244-Cap Head Hex Screw M3*14 6pcz 	85119-Cap Head Hex Screw M3*16 6pcs 	10385-Cap Head Hex Screw M3*20 6pcs 
10247-Flat Head Hex M3*8 6pcs 	85125-Flat Head Hex M3*10 8pcs 	10248-Flat Head Hex M3*12 6pcs 	85186-Washer $\varnothing 6 \times \varnothing 3.1 \times 0.5$ 6pcs 

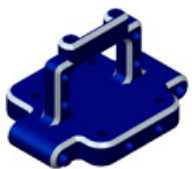
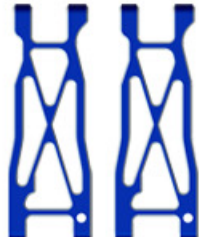
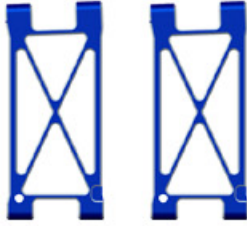
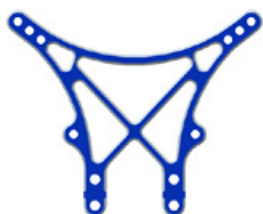
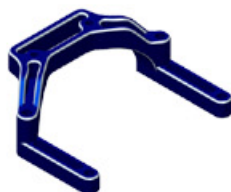
Part List

85034-Body Clip(Medium Size) 6pcs 	85029-Body Clip(Small Size) 6pcs 	10214-Shock Ball End 6pcs 	10215-Servo Link Ball End 6pcs 
10216-Steering Linkage Ball End 6pcs 	10217-Rear Upper Linkage Ball End 6pcs 	10219-Sway Bar Holders 6pcs 	10482-Sway bar holder 1pc 
10220-Ball A 6pcs 	10222-Ball C 6pcs 	10480-Ball D 6pcs 	10223-Ball E 6pcs 
10481-Hinge Pins(long & short) 1sets 	10224-Shock O-ring(Lower) 6pcs 	10225-Diff O-ring Seal 6pcs 	10226-Shock seal cover 4pcs 
10153-Metal Bushing 8*5*2.5 6pcs 	10152-Metal Bushing 15*10*4 6pcs 	10234-Metal Bushing 10*5*4 6pcs 	10235-Ball Bearing 8*5*2.5 6pcs 
10232-Ball Bearing 15*10*4 6pcs 	10233-Ball Bearing 10*5*4 6pcs 	10386-Pin ϕ 2*8 6pcs 	H0011 - 3kg/cm Servo 1pc 

Part List

10253 - 1/10 Charger CE 1pc 10254 - 1/10 Charger UL 1pc 10255 - 1/10 Charger BS 1pc 	H0013-AM Transmitter 1pc H0007-AM RX 1pc 	H0014 - 2.4GHz Transmitter 1pc 	H0026 - Brushless ESC 1pc 
H0027-300A ESC 1pc 	H0028 - 3650 Brushless Motor 1pc 	H0048 - 540 Brushed Motor 1pc 	H0030 - Ni-MH 7.2V 1800mAh 1pc H0031 - Ni-MH 7.2V 3000mAh 1pc 
85274-Li-Po 3250mAh 7.4V 1pc 	H0050 -400A ESC 1pc 	H0049 -3kg/cm Servo 1pc 	R0102-Printed Body (BLUE) 1pc 
R0103 -Wing (BLUE) 1pc 	R0104 -Printed Body (RED) 1pc 	R0105 -Wing (RED) 1pc 	

Upgrade Parts List

10934 -Sway Bar 1set  RH2011/RH2012	10935-Upper plate(AL) 1set  RH2011/RH2012	10936-Front shock tower holder(AL) 1pc  RH2011/RH2012	10937-Uprights(AL) 1set  RH2011/RH2012
10938-Steering Knuckle Arm(AL) 1set  RH2011/RH2012	10939-Front Lower Susp. Arm(AL) 2pcs  RH2011/RH2012	10940-Rear Lower Susp. Arm(AL) 2pcs  RH2011/RH2012	10941-Battery Cover 1pc  RH2011/RH2012
10942- Front Shock Tower (AL) 1pc  RH2011/RH2012	10943-Rear Shock Tower (AL) 1pc  RH2011/RH2012	10944-Front Shocks (AL) 2pcs  RH2011/RH2012	10945-Rear Shocks (AL) 2pcs  RH2011/RH2012
10946-Rear Susp. Holders(AL) 2pcs  RH2011/RH2012	10947-Rear top deck(AL) 1pc  RH2011/RH2012	10915 - Rear Hub Carrier (AL) 2pcs  RH2011/RH2012	