

INSTRUCTION MANUAL

1/10 Scale 4WD Electric Car



MEGA Buggy BUGGSTER

RH1031 (Brushed)

RH1032 (Brushless)

INSTRUCTION MANUAL

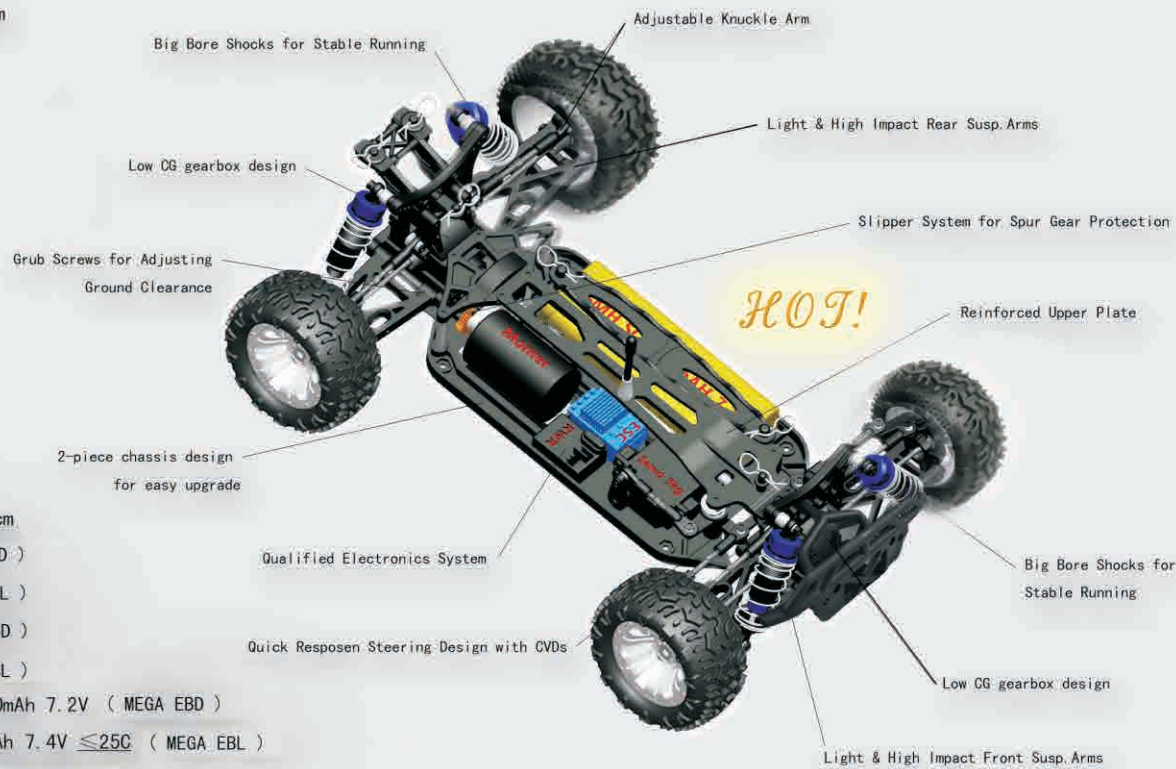
1/10 Scale 4WD Electric Buggy

RH1031 MEGA Buggy BUGGSTER (Brushed)

RH1032 MEGA Buggy BUGGSTER (Brushless)

Specs. :

- 1、Length: 415 mm
- 2、Width: 300 mm
- 3、Height: 165 mm
- 4、Wheelbase: 290/295 mm
- 5、Gear Ratio: 11.2:1
- 6、Tyre: $\phi 120 \times 60$ mm



Standard Equipments:

- 1、Steering Servo: 3kg/cm
- 2、Motor: 550 (MEGA EBD)
3650 (MEGA EBL)
- 3、ESC: 300A (MEGA EBD)
60A (MEGA EBL)
- 4、Battery: Ni-MH SC1800mAh 7.2V (MEGA EBD)
Li-Po 2700mAh 7.4V $\leq 25C$ (MEGA EBL)
- 5、RADIO: 2CH A M (MEGA EBD)
2CH 2.4GHz (MEGA EBL)

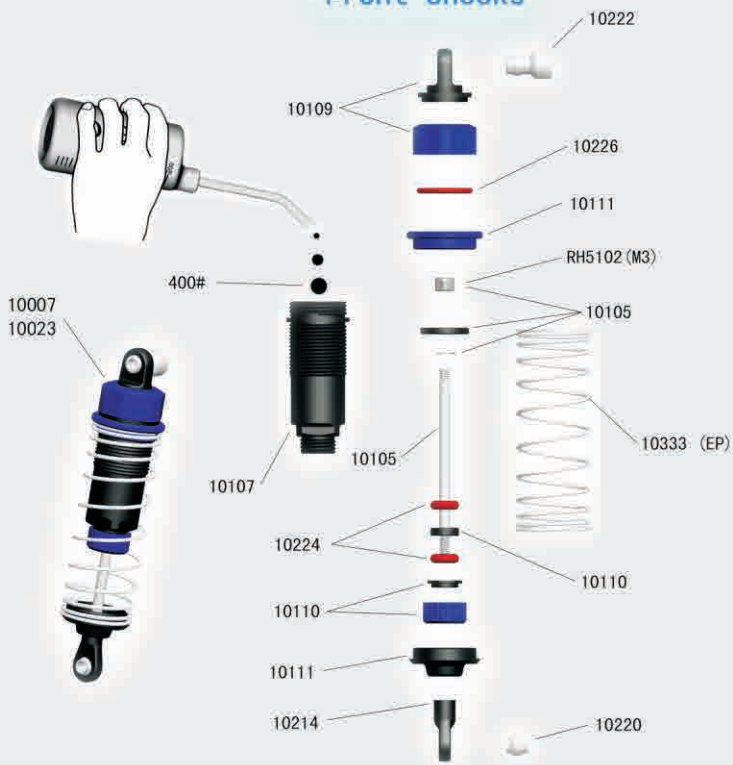
MEGA Buggy BUGGSTER EBL Brushless System Set:

MEGA Buggy BUGGSTER EBD Brushed System Set:



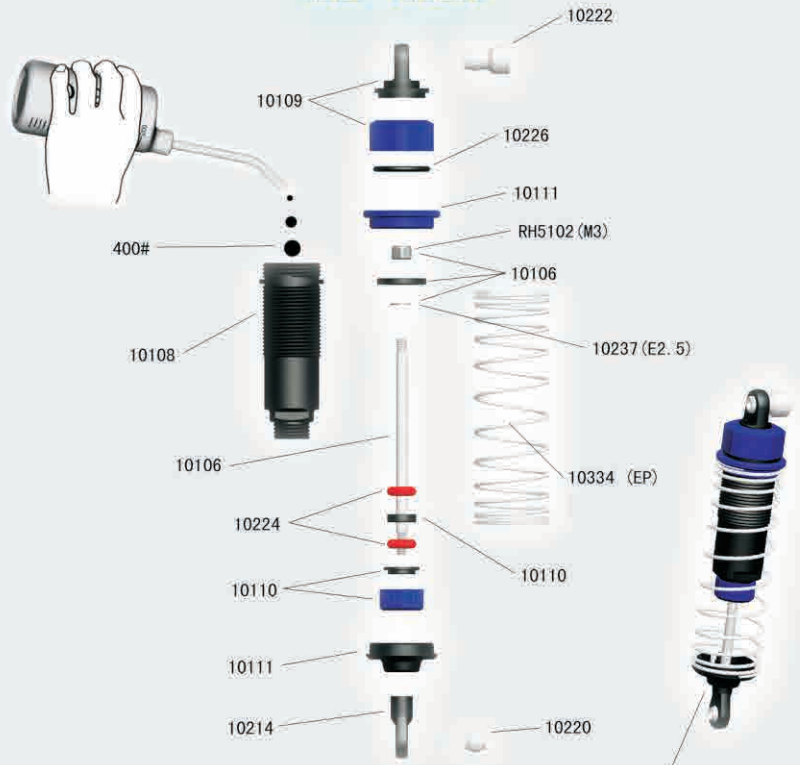
FRONT & REAR SHOCK ASSEMBLY

Front Shocks



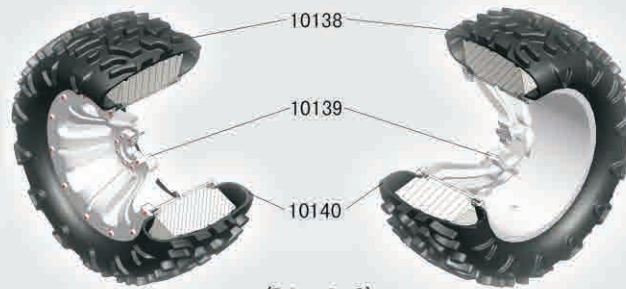
(Dia. 2-1)

Rear Shocks



(Dia. 2-2)

MT Wheels

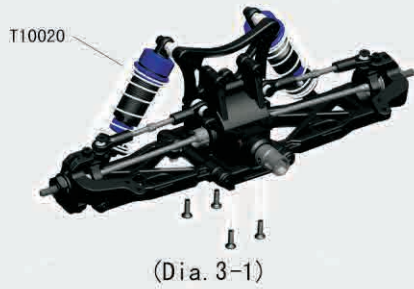


(Dia. 2-3)

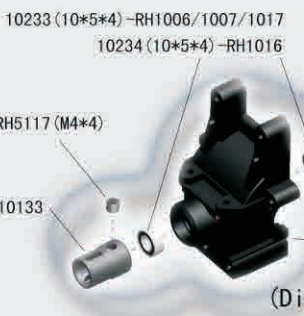
B O M

TYPE	ICON	SPEC	QTY
Round Head Self Tapping Hex Screw		2*10	4
Button Head Hex Screw		M3*12	2
Cap Head Hex Screw		M3*8	4
		M3*18	2
		M3*10	10
		M3*12	3
Flat Head Hex		M3*14	4
		M3*18	2
		M3*36	2
		M3*3	2
		M4*4	1
Set Screw		M4*4	1
Ring Self Tapping Screw		3*4	2
Washer		ø6*ø3.1*0.2	2
Nylon Lock Nut		M3	2
E-clip		ø2.5	5
O'Ring		ø8.05*ø4.95*ø1.55	4
Ball Bearing		ø8*ø3*ø2.5	4
		ø15.6*ø12.6*ø1.5	2
		ø15*ø10*4	2

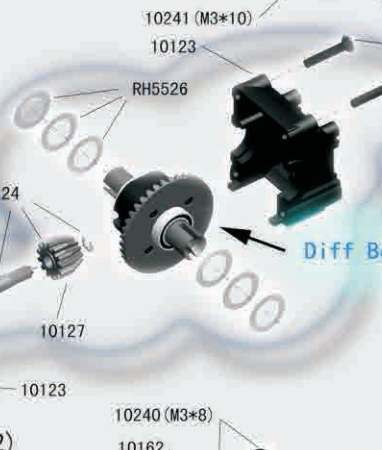
Front Assembly



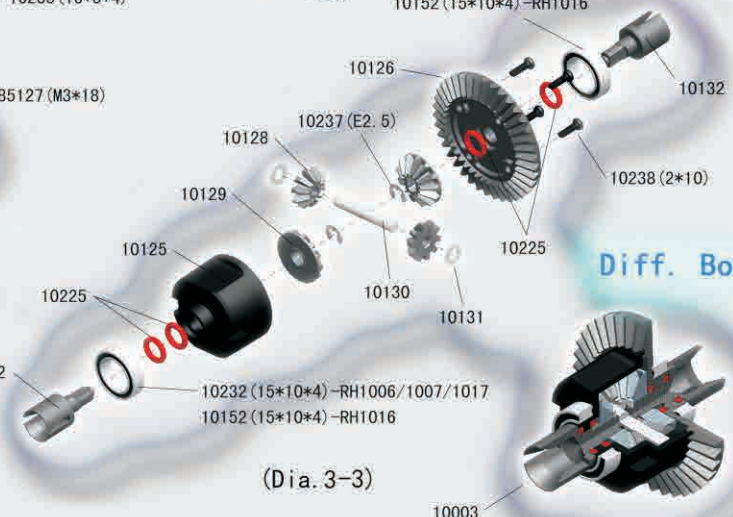
Gearbox Assembly



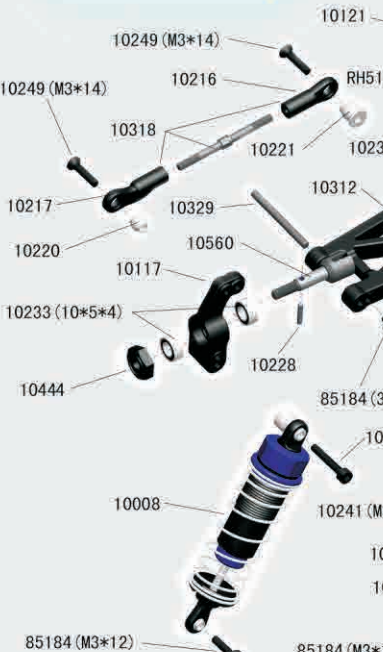
Diff Box



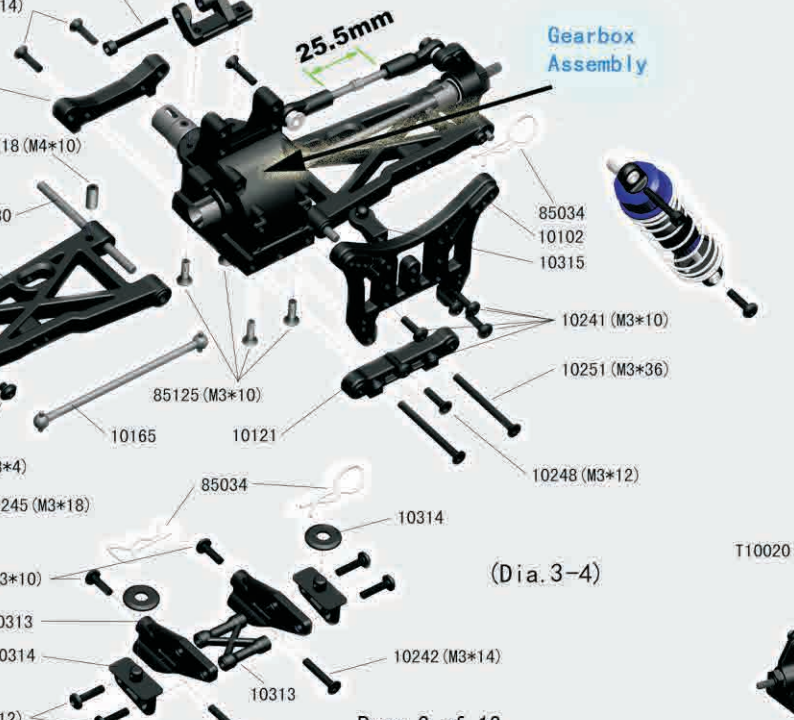
Diff. Box



Rear Assmely



Gearbox Assembly



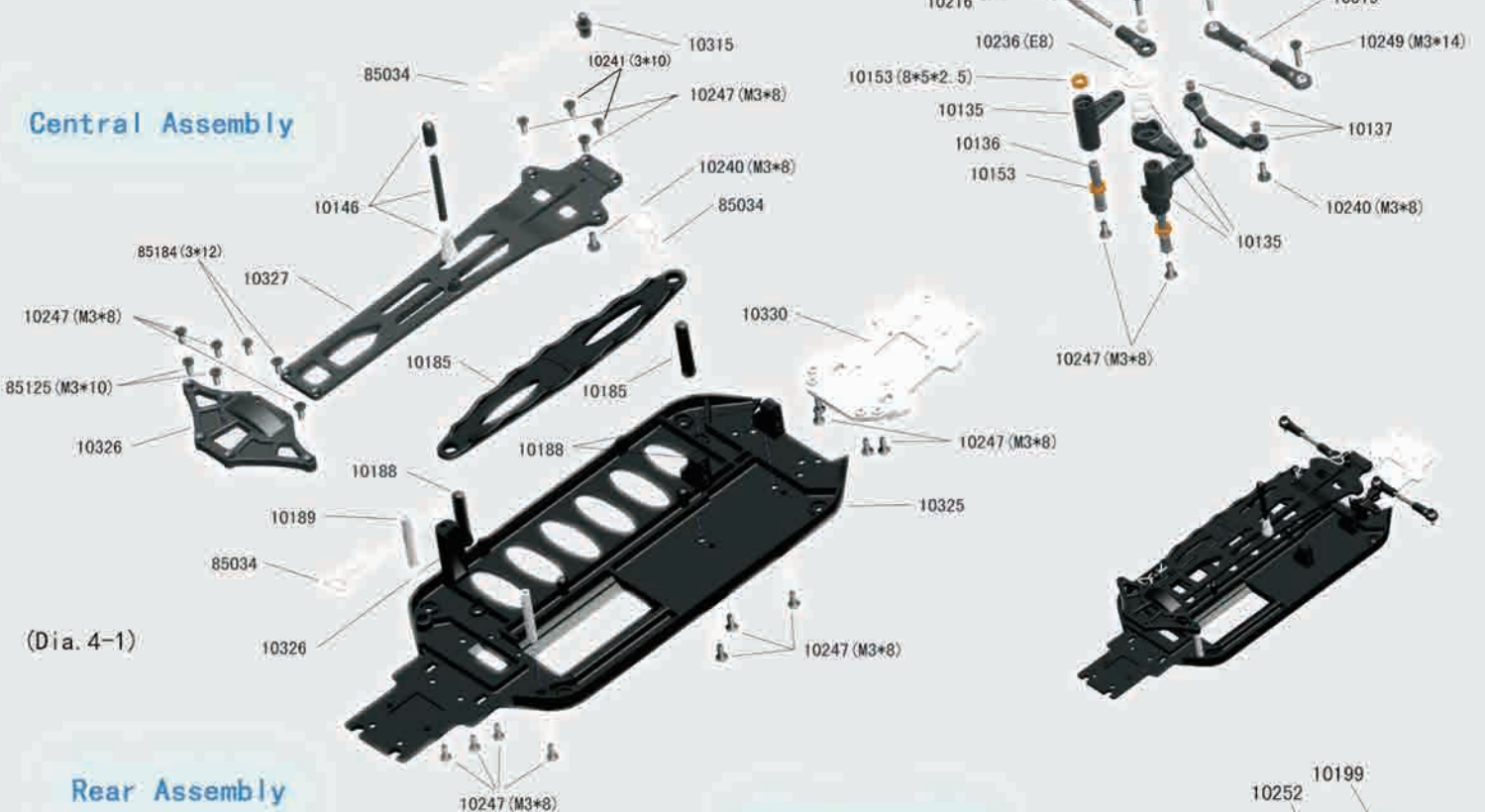
B O M

TYPE	ICON	SPEC	QTY
Round Head Self Tapping Hex Screw		2*10	4
Button Head Hex Screw		M3*8	2
		M3*10	7
		M3*12	6
Cap Head Hex Screw		M3*18	2
		M3*25	1
		M3*10	4
		M3*12	3
Flat Head Hex		M3*14	4
		M3*18	4
		M3*36	2
		M4*4	1
		M4*10	2
Ring Self Tapping Screw		3*4	2
Washer		ø6*ø3.1*0.2	2
Nylon Lock Nut		M3	3
E-clip		ø2.5	5
O'Ring		ø8.05*ø4.95*ø1.55	4
		ø8*ø3*ø2.5	4
		ø15.6*ø12.6*ø1.5	2
Ball Bearing		ø15*ø10*4	2
		ø10*ø5*4	6



Attention: MEGA Buggy BUGGSTER EBD and EBL are differen in ESC,motor, battery charger and radio.

Central Assembly

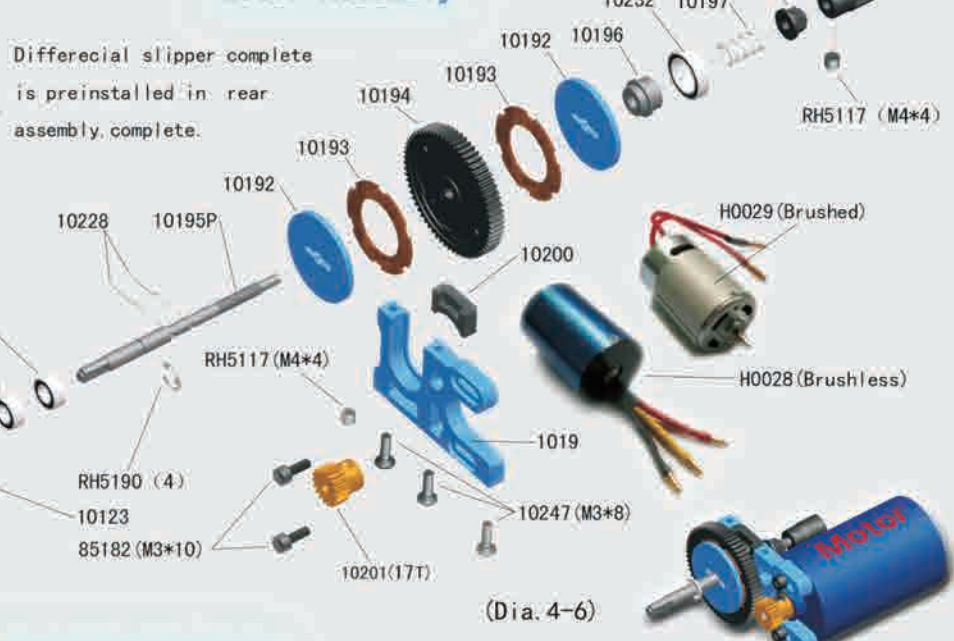


Rear Assembly

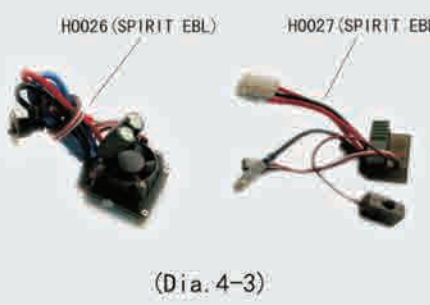


Differecial slipper complete is preinstalled in rear assembly, complete.

Motor Assembly



ESC



Steering Assembly

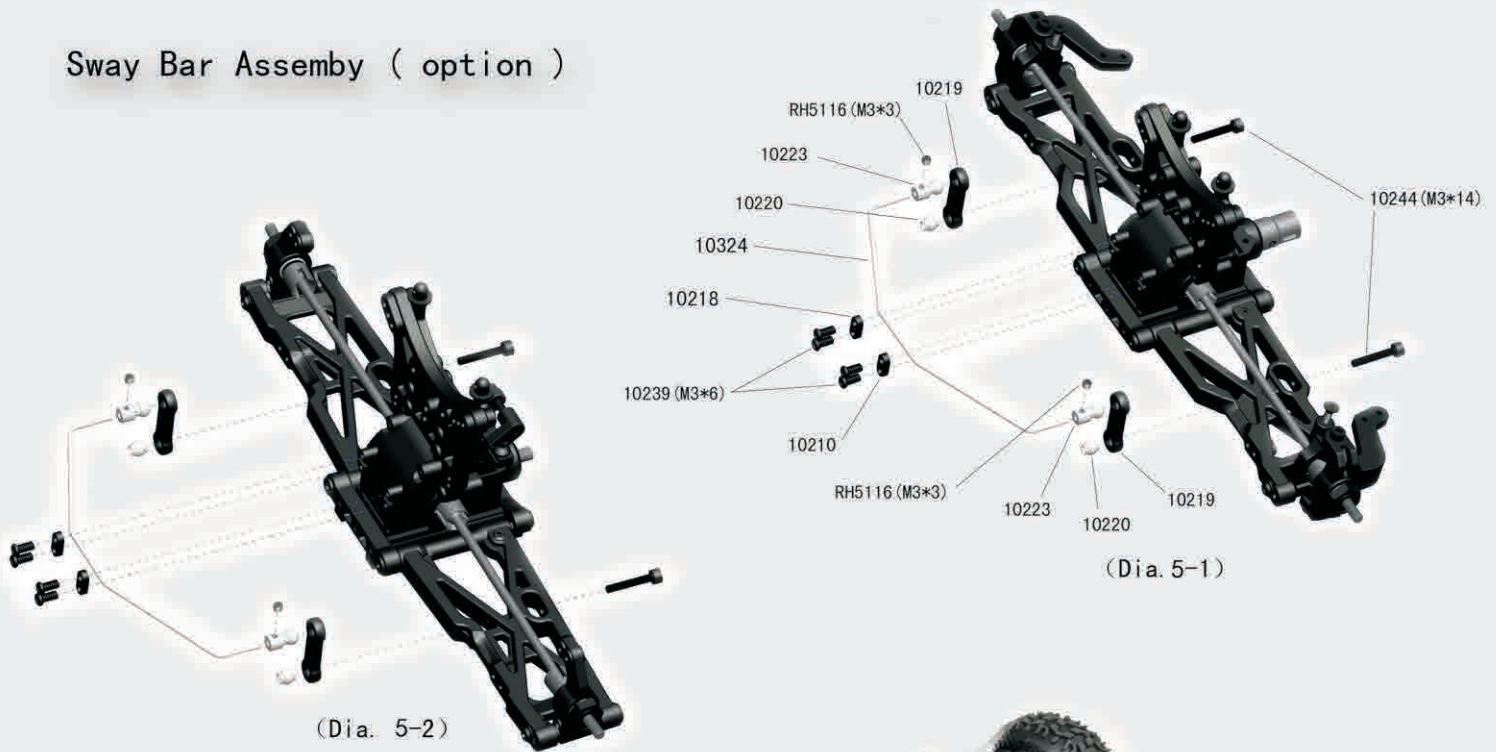


Receiver



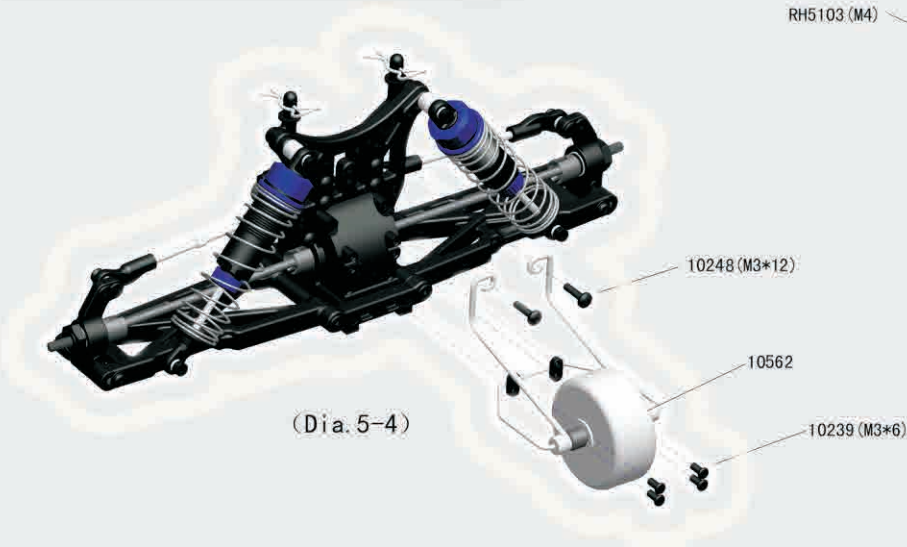
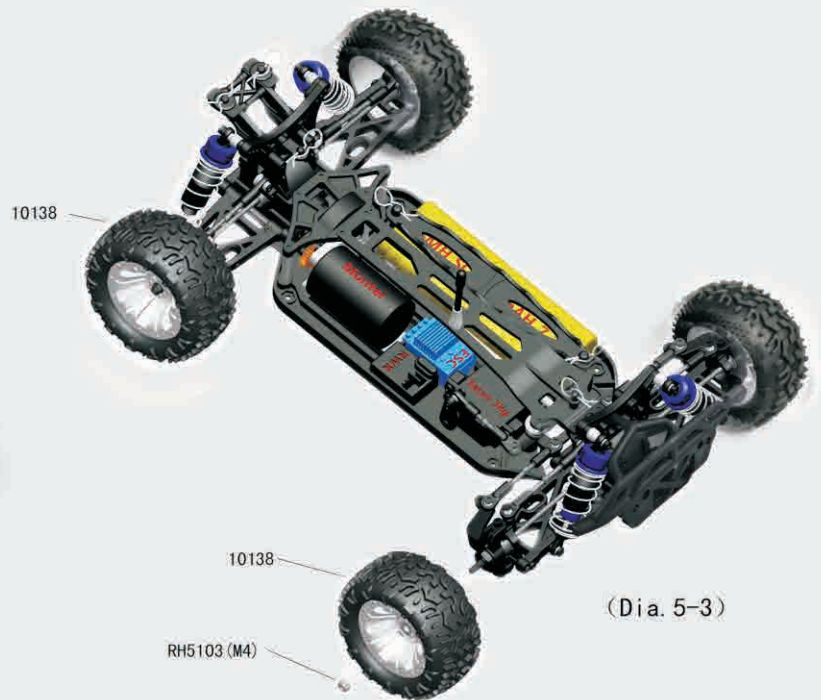
MEGA Buggy BUGGSTER EBD and EBL is almost same but in electronics .EBD comes with brushed system and EBL with brushless system . For hobbyists , we have optional front and rear sway bar for upgrade , which adds higher racing performance .

Sway Bar Assembly (option)



Wheelie Pack:

In order to increase the stability operation under top speed for "Super Player", who plays the car with 3S lipo and running cock-up, we design a wheelie system for option, Optional Front & Rear Sway Bar #10562.

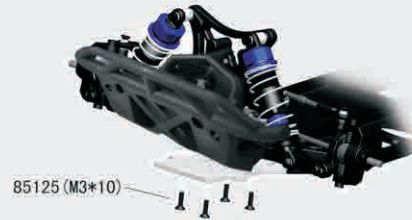


ASSEMBLY STEPS:

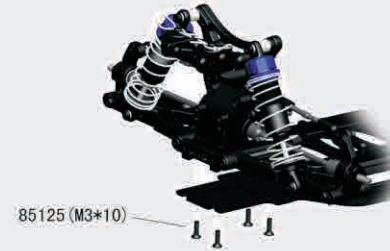
1. Assembly center chassis part (See Dia. 4-1)



2. Assemble front assembly to chassis front. (See Dia. 3-1)



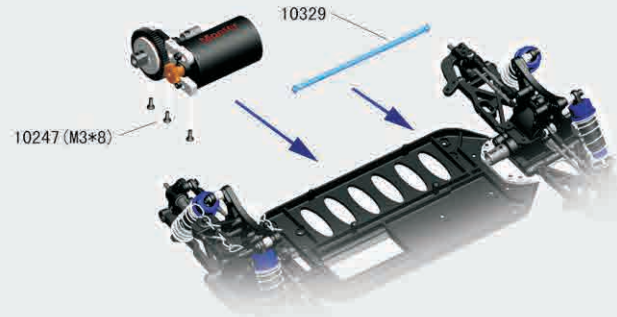
3. Assemble rear assembly to chassis rear part. (See Dia. 3-4)



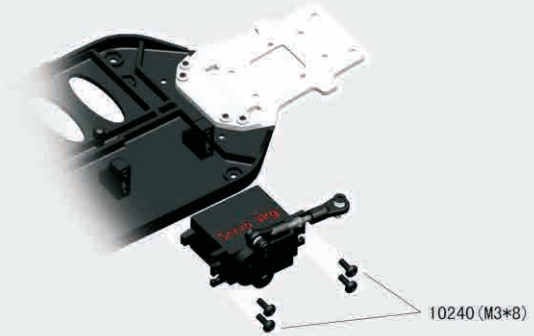
5. Mount the wheels.
(See Dia. 2-3)



6. Mount the motor assembly and central drive shaft. (See Dia. 4-6)



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



8. Assemble ESC, receiver, battery and connect them to setup. (See Dia. 4-3, 4-4)

Brushless System:



Brushed system:



R0069/R0072/R0073






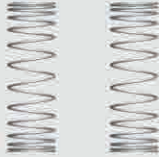




















85034

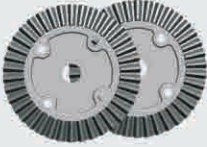













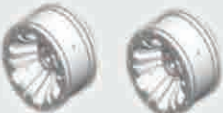


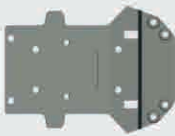

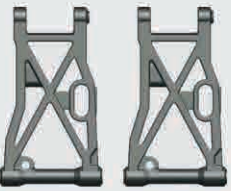
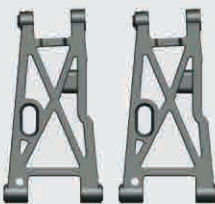
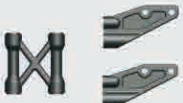


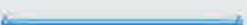
R0075/R0076/R0077




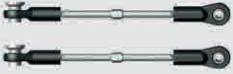





















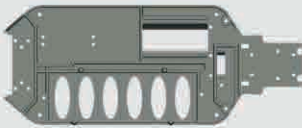
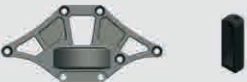
Common Part List

<p>10101 - Front Shock Tower 1pc</p> 	<p>10102 -Rear Shock Tower 1pc</p> 	<p>10007-Front Shocks 2pc (Al) 10023-Front Shocks 2pc(Plastic)</p> 	<p>10008 - Rear Shock Tower 2pc(Al) 10024 - Rear Shock Tower 2pc(Plastic)</p> 
<p>10333-Front Shock Spring 2pcs</p> 	<p>10334-Rear Shock Spring 2pcs</p> 	<p>10105-Front Shock Shaft & Piston Set 2sets:</p> 	<p>10106-Rear Shock Shaft & Piston Set 2sets</p> 
<p>10107-Front Shock Body 2pc</p> 	<p>10108-Rear Shock body 2pc.</p> 	<p>10109-Shock Upper Cap 2sets</p> 	<p>10110-Shock Lower Caps 2sets</p> 
<p>10111-Shock Lower holder & Adjust Ring 2sets</p> 	<p>10114-Steering Knuckle Arm 1set</p> 	<p>10115-Uprights 2pc.</p> 	<p>10117-Rear Hub Carrier 2pc</p> 
<p>10560-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> 







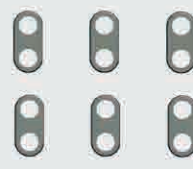





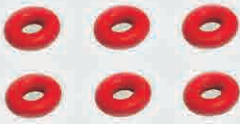
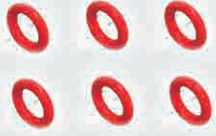
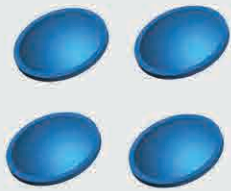
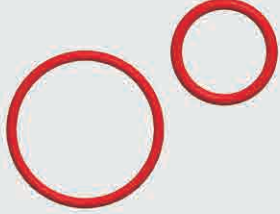




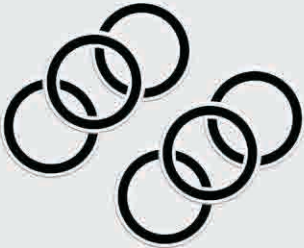
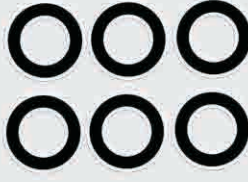


Common Part List

<p>10126-Diff Drive Spur Gear 2pcs</p>  <p>38T</p>	<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>10131-Washer 6pcs</p> 	<p>10132-Diff Drive Cup 4pcs</p> 	<p>10133-Center Coupler 3pcs</p> 
<p>10136-Servo Saver Post 2pcs</p> 	<p>10137-Steering Ackerman</p> 	<p>10145-Wheel Hub 4pcs</p> 	<p>10146-Antenna Pipe Set 2sets</p> 
<p>10147-Servo Saver (EP) 1set</p> 	<p>10138-Wheel complete 2sets</p> 	<p>10139-Rim 2pcs</p> 	<p>10140-Tyres & inner foams 2sets</p> 
<p>10561-Front CVD 2sets</p> 	<p>10330-Chassis Front Part 1pc</p> 	<p>10122-Bumper 1set</p> 	<p>10311-Front Lower Susp. Arm 2pc</p> 
<p>10312-Rear Lower Susp. Arm 2pc</p> 	<p>10313-Wing Bracket 1set</p> 	<p>10314-Wing Holder 1set</p>  <p>10315-Buggy Body Mount 1set</p> 	<p>10328-Center Drive Shaft(EP) 1pc</p> 

























Part List

<p>10316-Servo Linkage 1pc</p>  <p>10317-Front Upper Susp. Arm 2sets</p> 	<p>10319-Steering Arm 2sets</p> 	<p>10320-Central Dongbone R. 1pc</p> 	<p>10318-Rear Upper Susp. Arm 2sets</p> 
<p>10152-Metal Bushing 15*10*4 6pc</p> 	<p>10153-Metal Bushing 8*5*2.5 6pc</p> 	<p>10185-Battery Cover (EP) 1pc</p> 	<p>10188-Battery Post 2sets</p> 
<p>10189-Post for Rear Spur Gear Cover 2pc</p> 	<p>10190-Motor Mount (EP) 1pc</p> 	<p>10191-Slipper Complete (EP) 1set</p> 	<p>10192-Slipper Pad (EP) 2pc</p> 
<p>10193-Slipper Gasket (EP) 2pc</p> 	<p>10194-65T Spur Gear (EP) 1pc</p> 	<p>10195 - Slipper Shaft (EP) 1pc</p> 	<p>10196-Slipper Spring Bracket (EP) 1pc</p> 
<p>10197-Slipper Spring (EP) 1pc</p> 	<p>10198-Slipper Coupler (EP) 1pc</p> 	<p>10199-Slipper Drive Cup 1pc</p> 	<p>10200-BEARING BRACKET (EP) 1pc</p> 
<p>10201-Pionion Gear 17T 1pc</p> 	<p>10324-Sway Bar 2Sets</p> 	<p>10325-EP Chassis plate 1pc</p> 	<p>10326-Rear Spur Gear Cover (EP) 1pc</p> 

Part List

<p>85034-Body Clip(Medium Size) 6pcs</p> 	<p>85029-Body Clip(Small Size) 6pcs</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>10217-Rear Upper Linkage Ball End 6pcs</p> 	<p>10218-Sway Bar Fix Plate 6pcs</p> 	<p>10219-Sway Bar Holders 6pcs</p> 
<p>10220-Ball A 6pcs</p> 	<p>10221-Ball B 6pcs</p> 	<p>10222-Ball C 6pcs</p> 	<p>10223-Ball D 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>10227-Tuned Pipe Seal & Fuel Tank Seal 1set</p> 
<p>10228-Pin $\phi 2 \times 10$ 6pcs</p> 	<p>10229-Pin $\phi 2 \times 11$ 6pcs</p> 	<p>10329-Hinge Pins(long & short) 1sets</p> 	<p>10231-One Way Bearing 3pcs</p> 
<p>10232-Ball Bearing 15*10*4 6pcs</p> 	<p>10233-Ball Bearing 10*5*4 6pcs</p> 	<p>10234-Metal Bushing 10*5*4 6pcs</p> 	<p>10235-Ball Bearing 8*5*2.5 6pcs</p> 














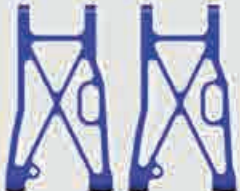






Part List

<p>10236-E clip-8mm 4pc</p> 	<p>RH5190-E clip-4mm 6pc</p> 	<p>10237-E clip-2.5mm 6pc</p> 	<p>RH5102-Nylon Lock Nut M3 6pc</p> 
<p>RH5103-Nylon Lock Nut-M4 6pc</p> 	<p>85148-Round Head Self Tapping Hex Screw 2*6 4pcs</p> 	<p>10238-Round Head Self Tapping Hex Screw 2*10 6pc</p> 	<p>85179-Round Head Self Tapping Hex Screw 3*15 8pc</p> 
<p>10239-Round Head Self Tapping Hex Screw M3*6 6pc</p> 	<p>10240-Button Head Hex Screw M3*8 6pc</p> 	<p>10241-Button Head Hex Screw M3*10 6pc</p> 	<p>85184-Button Head Hex Screw M3*12 6pc</p> 
<p>10242-Button Head Hex Screw M3*14 6pc</p> 	<p>85144-Ring Self Tapping Screw 3*4 4pc 10256-Ring Self Tapping Screw 3*6 6pc</p> 	<p>RH5116-Set Screw M3*3 6pc</p> 	<p>RH5117-Set Screw M4*4 6pc</p> 
<p>RH5118-Button Head Hex Screw M4*10 6pc</p> 	<p>RH5562-Cap Head Hex Screw M3*8 6pc</p> 	<p>10243-Cap Head Hex Screw M3*10 6pc</p> 	<p>85182-Cap Head Hex Screw M3*10 6pc</p> 
<p>10244-Cap Head Hex Screw M3*14 6pc</p> 	<p>85118-Cap Head Hex Screw M3*15 6pc</p> 	<p>10245-Cap Head Hex Screw M3*18 6pc</p> 	<p>85185-Cap Head Hex Screw M3*25 6pc</p> 

Part List

<p>10246-Cap Head Hex Screw M3*28 6p</p> 	<p>10247-Flat Head Hex M3*8 6pc</p> 	<p>85125-Flat Head Hex Screw M3*10 8p</p> 	<p>10248-Flat Head Hex Screw M3*12 6p</p> 
<p>10249-Flat Head Hex Screw M3*14 6p</p> 	<p>85127-Flat Head Hex Screw M3*18 3p</p> 	<p>10250-Flat Head Hex Screw M3*20 6p</p> 	<p>10251-Flat Head Hex Screw M3*36 6p</p> 
<p>H0068-2.4G FS-GT2 TX&RX</p> 	<p>H0014 - 2.4GHz Transmitter 1pc</p> 	<p>H0072 ks 45A ESC</p> 	<p>H0050 -400A ESC 1pcs</p> 
<p>H0028 - 3650 Brushless Motor 1pc</p> 	<p>H0029 - 550 Brushed Motor 1pc</p> 	<p>H0030 - Ni-MH 7.2V 1800mAh 1pc H0031 - Ni-MH 7.2V 3000mAh 1pc</p> 	<p>10253 - 1/10 Charger CE 1pc 10254 - 1/10 Charger UL 1pc 10255 - 1/10 Charger BS 1pc</p> 
<p>H0011 - 3kg/cm Servo 1pc</p> 	<p>R0068- Clear Body (GP) 1pc R0069- Clear Body (EP) 1pc</p> 	<p>R0070- Printed Body (GP) 1pc R0072- Printed Body (EP) 1pc</p> 	<p>R0071- Printed Body (GP) 1pc R0073- Printed Body (EP) 1pc</p> 
<p>R0074- Printed Body (EP) 1pc</p> 	<p>R0075-Buggy Tail Wing (Black) 1pc R0076-Buggy Tail Wing (Brown) 1pc R0077-Buggy Clear Tail Wing 1pc</p> 	<p>85274-Li-Po 2700mAh 7.4V 1pc</p> 	<p>10327-Upper plate(EP) 1pc</p> 

Upgrade Parts List

<p>10902 - Front Shock Plate (Carbon) 1Set</p> 	<p>10903 - Rear Shock Plate (Carbon) 1Set</p> 	<p>10905-Battery Cover (Carbon) 1set</p> 	<p>10906-Body Post (AL) 2pc</p> 
<p>10907-Front Shocks (AL) 2pc</p> 	<p>10908-Rear Shocks (AL) 2pc</p> 	<p>10911 - Steering Ackerman (AL) 1pc</p> 	<p>10912 - Front Susp. Holders (AL) 1Set</p> 
<p>10918 - Wheel Hub (AL) 4pc</p> 	<p>10914 - Rear Susp. Holders (AL) 1Set</p> 	<p>10915 - Rear Hub Carrier (AL) 2pc</p> 	<p>10926-Upper Plate (Carbon) 1pc</p> 
<p>10917 - Steering Knuckle Arm (AL) 2Set</p> 	<p>10927-Front Lower Susp. Arm (AL) 2pc</p> 	<p>10928-Rear Lower Susp. Arm (AL) 2pc</p> 	<p>10925-Chassis Plate (AL+Carbon) 1Set</p> 
<p>85265 - Heatsink 1pc</p> 	<p>10562 - Wheelie Set 1Set</p> 	<p>10923 - Alum Steering Arm 2pc</p> 	<p>10924 - Alum Knuckle Arm 2pc</p> 
<p>10526-chassis vcover</p> 