

SUITABLE FOR AGES 14+

1/10 SCALE 4WD ELECTRIC TOURING CAR AND RALLY CAR



RH1025 ■ RH1075 ■
RH1026 ■ RH1076 ■

INSTRUCTION BOOK AND COMPONENT LISTING

4WD

EP

2.4
GHZ

SD
SHAFT
DRIVEN



<https://www.vrx-racing.com>



IMPORTANT NOTES AND INFORMATION

Congratulations on your purchase of the VRX Racing 4WD electric cars.

This 1/10th scale model has been factory assembled and all electrics installed and set up to make it the easiest possible introduction to the sport of driving RC cars.

WARNING: Read the ENTIRE instruction manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product, personal property and serious injury. This is not a toy and must be operated with caution and common sense. Failure to operate this product in a safe and responsible manner could result in damage, injury or damage to other property. This product is not intended for use by children without direct adult supervision. It is essential to read and follow all the instructions and warnings in the manual, prior to assembly, set-up or use, in order to operate correctly and avoid damage and serious injury.

Safety Precautions and Warnings

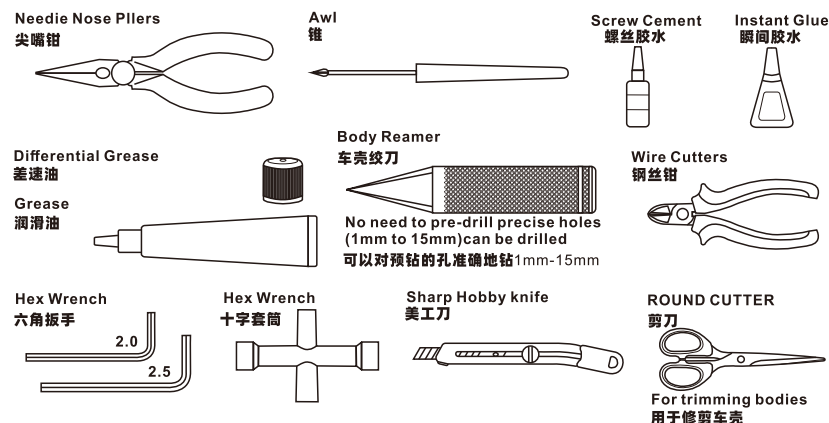
1. You are responsible for operating this model such that it does not endanger yourself and others, or result in damage to the product or the property of others.
2. This model is controlled by a radio which is possibly subject to interference which can cause momentary loss of control so it is advisable to always keep a safe distance to avoid collisions and injury.
3. Age Recommendation 14 years or over. This is not a toy. This product is not intended for use by children without direct adult supervision.

Carefully follow these directions and warnings, plus those any additional equipment associated with the use of this model, chargers, ESC and motors, radio etc.

1. Never operate your model with low transmitter batteries.
2. Always operate your model in an open area away from cars, traffic or people.
3. Never operate the model in the street or in populated areas.
4. Always keep the vehicles in direct line of sight, you cannot control what you cannot see!
5. Keep all chemicals, small parts and anything electrical out of the reach of the children.
6. Avoid water exposure, moisture causes damage to electronics and may result in the loss of control or permanent damage.
7. Avoid injury from high speed rotating parts, gears and axles etc.
8. Novices should seek advice from more experienced people to operate the model correctly and meet its performance potential.
9. Exercise caution when using tools and sharp instruments.
10. Do not put fingers or any objects inside rotating or moving parts.
11. Take care when carrying out repairs or maintenance as some parts may be sharp.
12. Do NOT touch equipment such as motor electronic speed control and battery, immediately after using your model because they can generate high temperatures.
13. Always turn on your transmitter before you turn on the receiver in the car.
14. Always turn off the receiver before turning your transmitter off.
15. Keep the wheels of the model off the ground, keep your hands away from the wheels when checking the operation of the radio equipment.
16. Prolong motor life by preventing overheat conditions. Undue motor wear can result from frequent turns, rapid change of direction forwards/backwards, continuous stop/starts, pushing/pulling objects, driving in deep sand and tall grass, or driving continuously up or down a hill.

REQUIRED EQUIPMENT FOR OPERATION

1. Tools required for building and maintenance:



WARNING!

Do not use a power screw driver to install screws into nylon or plastic materials. The fast locking may heat up the screws being installed that may break the molded parts or strip the threads during installation.

2. Additional items needed for operation:



AA Alkaline batteries for transmitter

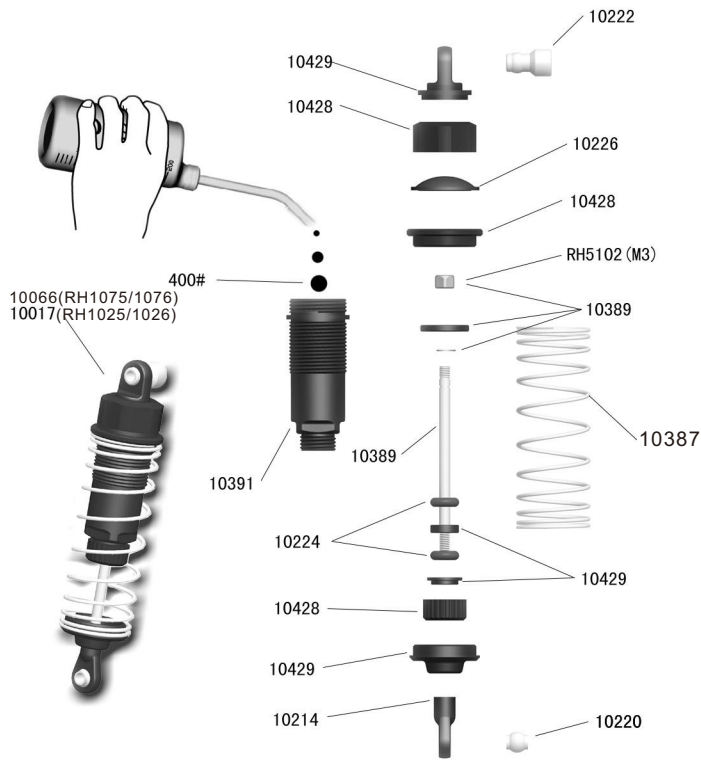
IMPORTANT!

Check that all screws and nuts are tight before each use.



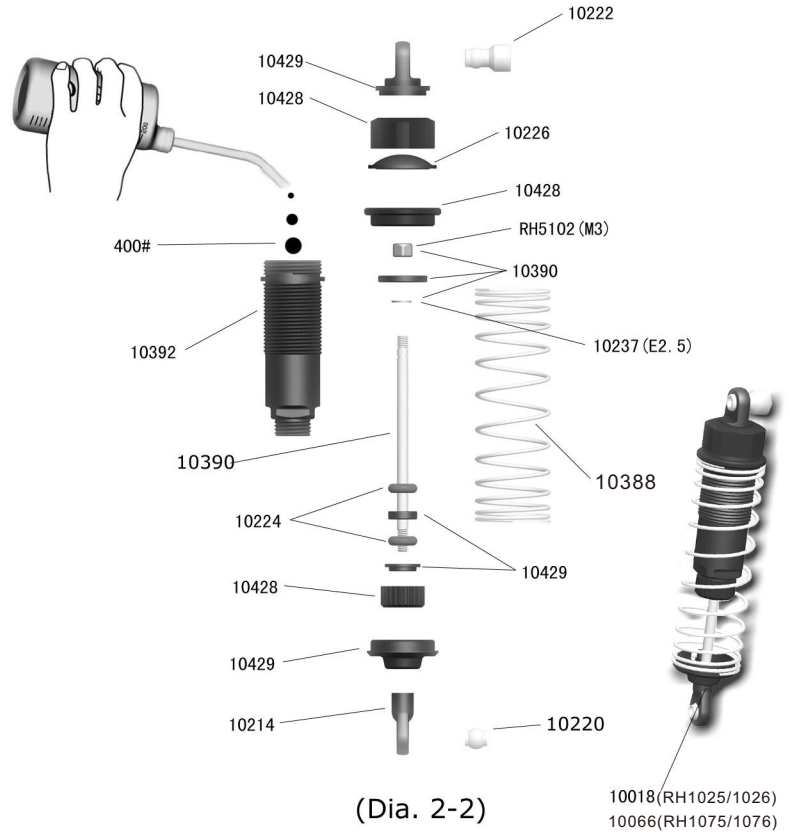
FRONT & REAR SHOCK ASSEMBLY

Front Shocks



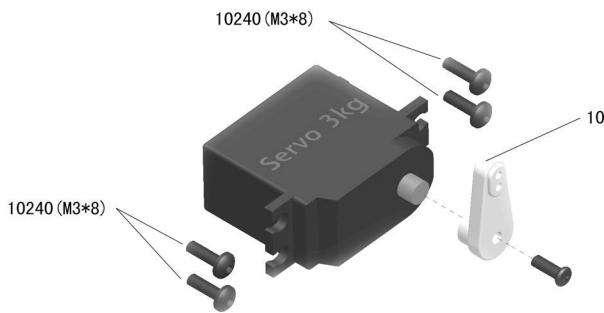
(Dia.2-1)

Rear Shocks



(Dia. 2-2)

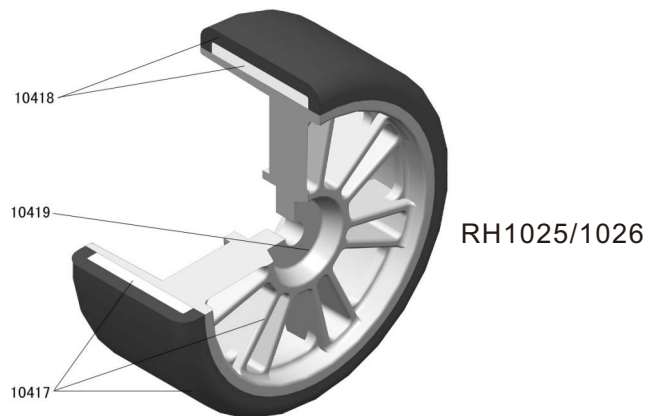
Tyres



Steering Servo



(Dia.2-3)



RH1025/1026



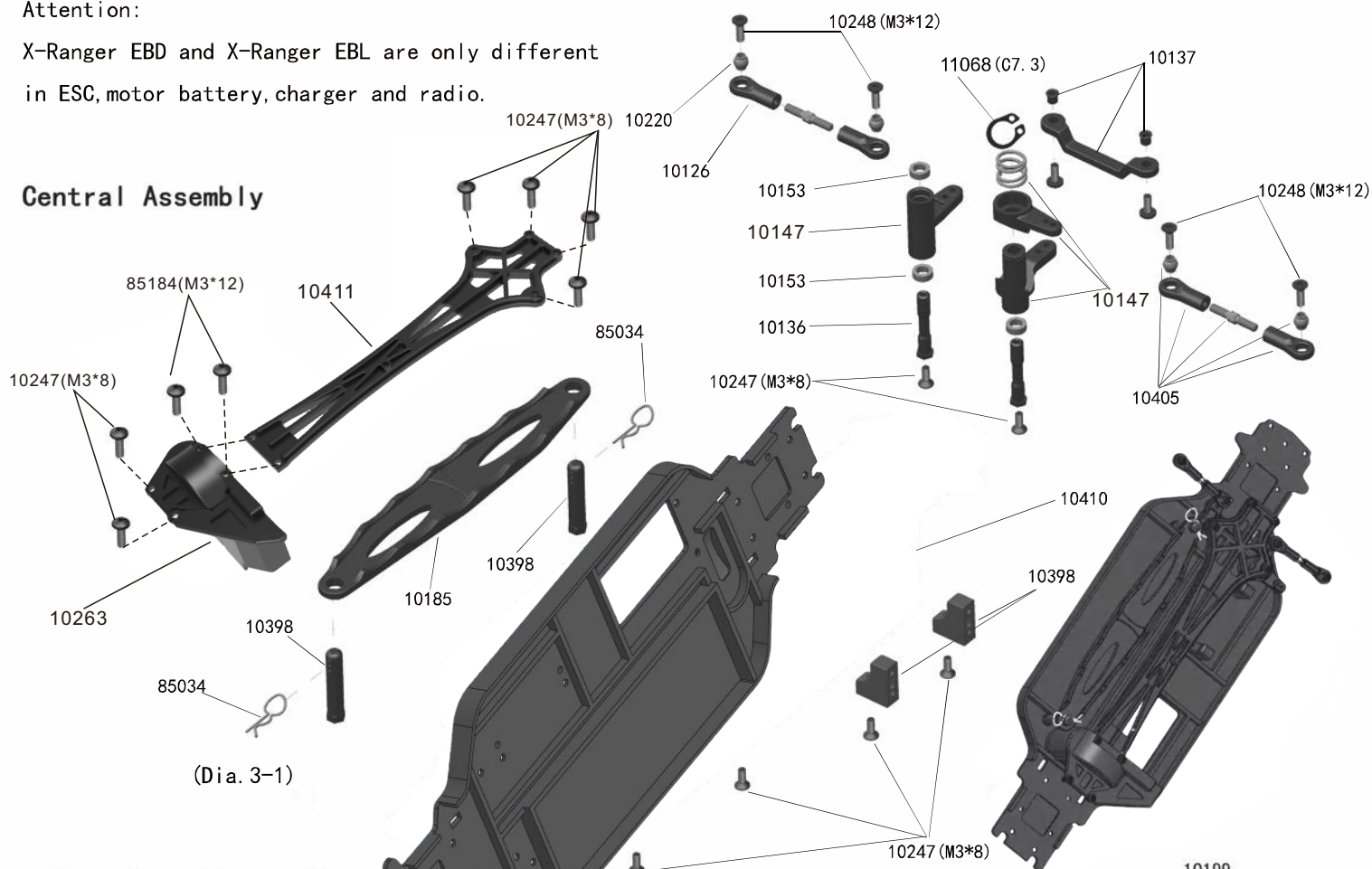
RH1075/1076

(Dia. 2-4)

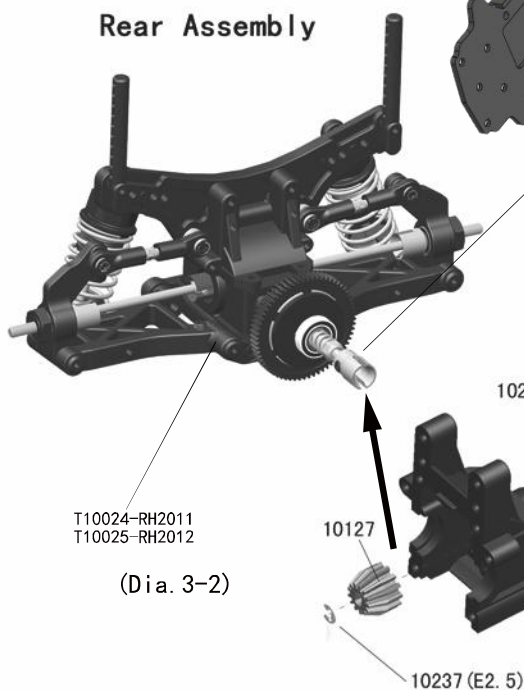
Attention:

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

Central Assembly

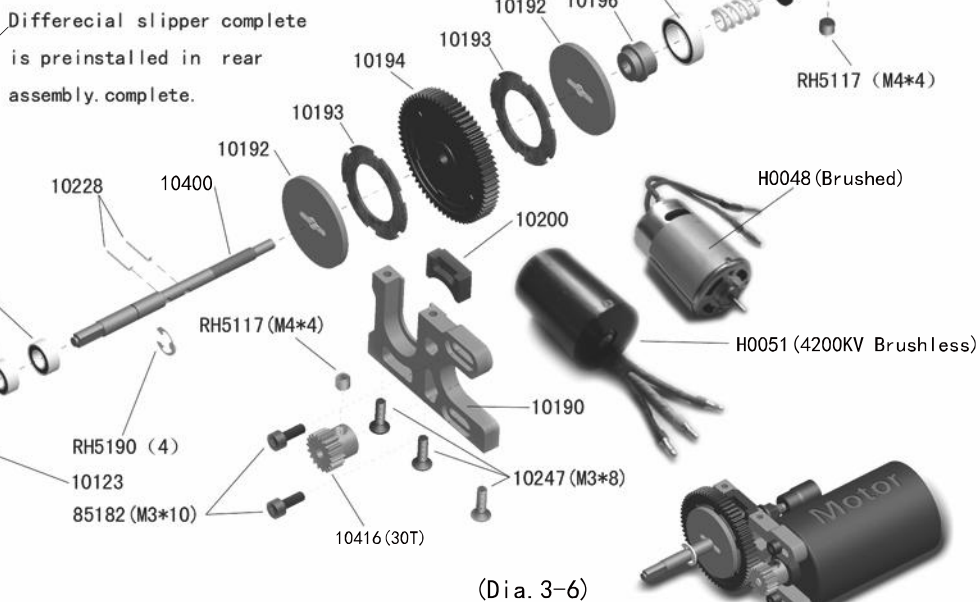


Rear Assembly

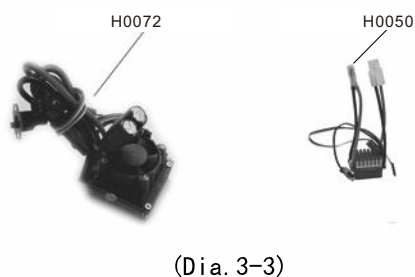


Motor Assembly

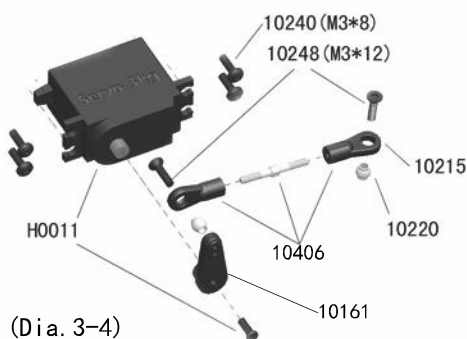
Differential slipper complete is preinstalled in rear assembly. complete.



ESC



Steering Assembly



Receiver



Front Assembly

- T10040-RH2011
T10041-RH2012
- 10017(RH1025/1026)
10066(RH1075/1076)
- 85184 (M3*12)
- 10385 (M3*20)
- 10251 (M3*36)
- 10248 (M3*12)
- 10251 (M3*36)
- 10228
- 10403
- 10241 (M3*10)
- 10395
- 10233 (10*5*4)
- 10444
- 10395
- 10241 (M3*10)
- 10385 (m3*20)
- 85184 (M3*12)
- 10251 (M3*36)
- 10248 (M3*12)
- 10251 (M3*36)
- 10415
- 10120
- 85144 (3*4)
- 85125 (M3*10)
- 10220
- 10249 (M3*14)
- 10404
- 10221
- 10415
- 10401
- 10115
- 10233 (10*5*4)
- 10395
- 10241 (M3*10)
- 10383(RH1025/1026)
11096(RH1075/1076)
- Length of Susp. arm between two ball ends is 4MM
- Gearbox Assembly
- 10120
- 10249 (M3*14)
- 85125 (M3*10)
- 10232 (15*10*4)-RH1026
10152 (15*10*4)-RH1025

The image contains two exploded view diagrams of a differential box (Diff. Box) assembly, labeled (Dia. 4-2) and (Dia. 4-3).

(Dia. 4-2) Assembly:

- 10133**: Nut
- RH5117 (M4*4)**: Washer
- 10123**: Main housing
- 10233 (10*5*4) -RH1006/1007/1017**: Washer
- 10234 (10*5*4) -RH1016**: Washer
- 10124**: Pin
- 10127**: Gear
- RH5526**: Washer
- 10123**: Main housing
- 85127 (M3*18)**: Pin
- Diff. Box**: Label pointing to the main housing.

(Dia. 4-3) Assembly:

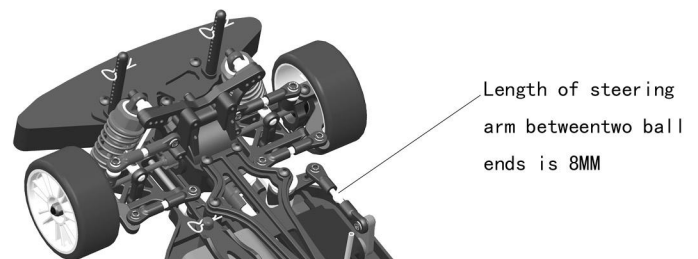
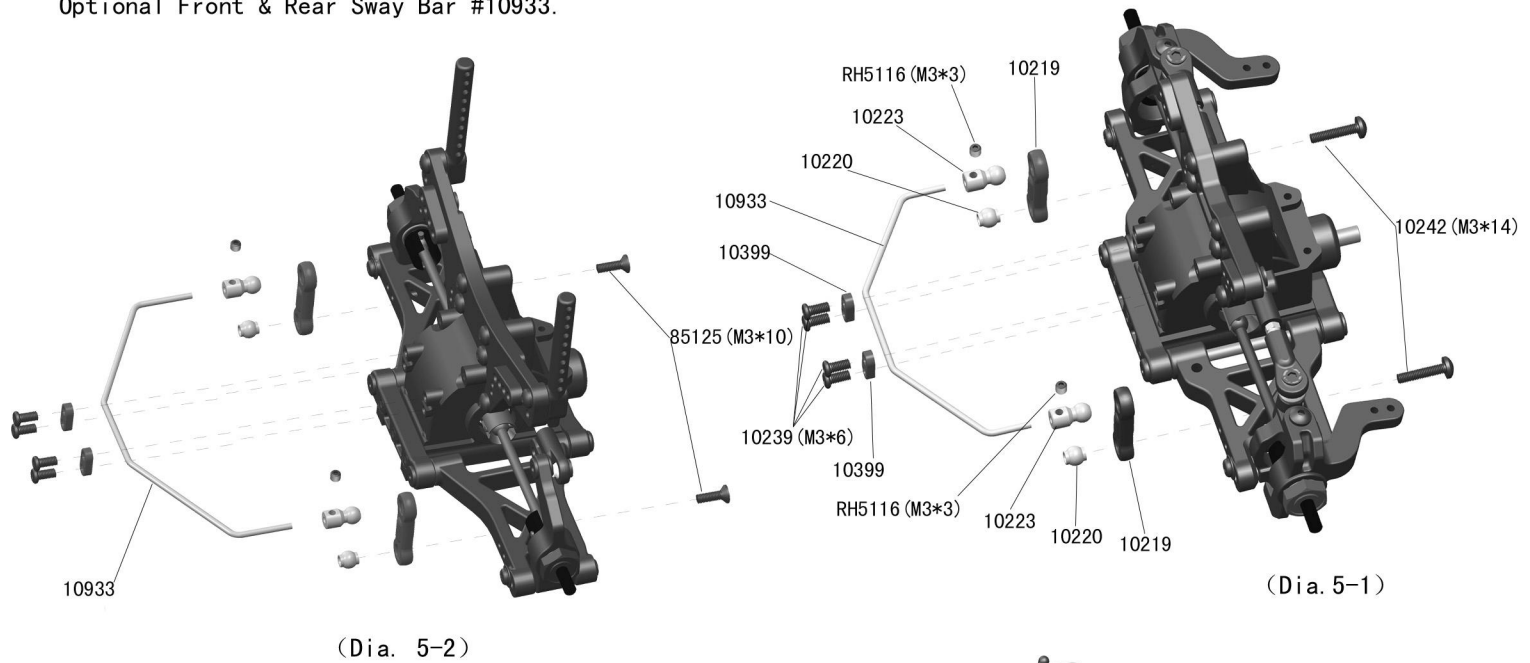
- 10132**: Nut
- 10225**: Washer
- 10125**: Main housing
- 10232 (15*10*4) -RH1006/1007/1017**: Washer
- 10152 (15*10*4) -RH1016**: Washer
- 10128**: Gear
- 10129**: Pin
- 10126**: Gear
- 10237 (E2. 5)**: Pin
- 10130**: Gear
- 10225**: Washer
- 10132**: Nut
- 10238 (2*10)**: Pin
- Diff. Box**: Label pointing to the main housing.

[illegible]

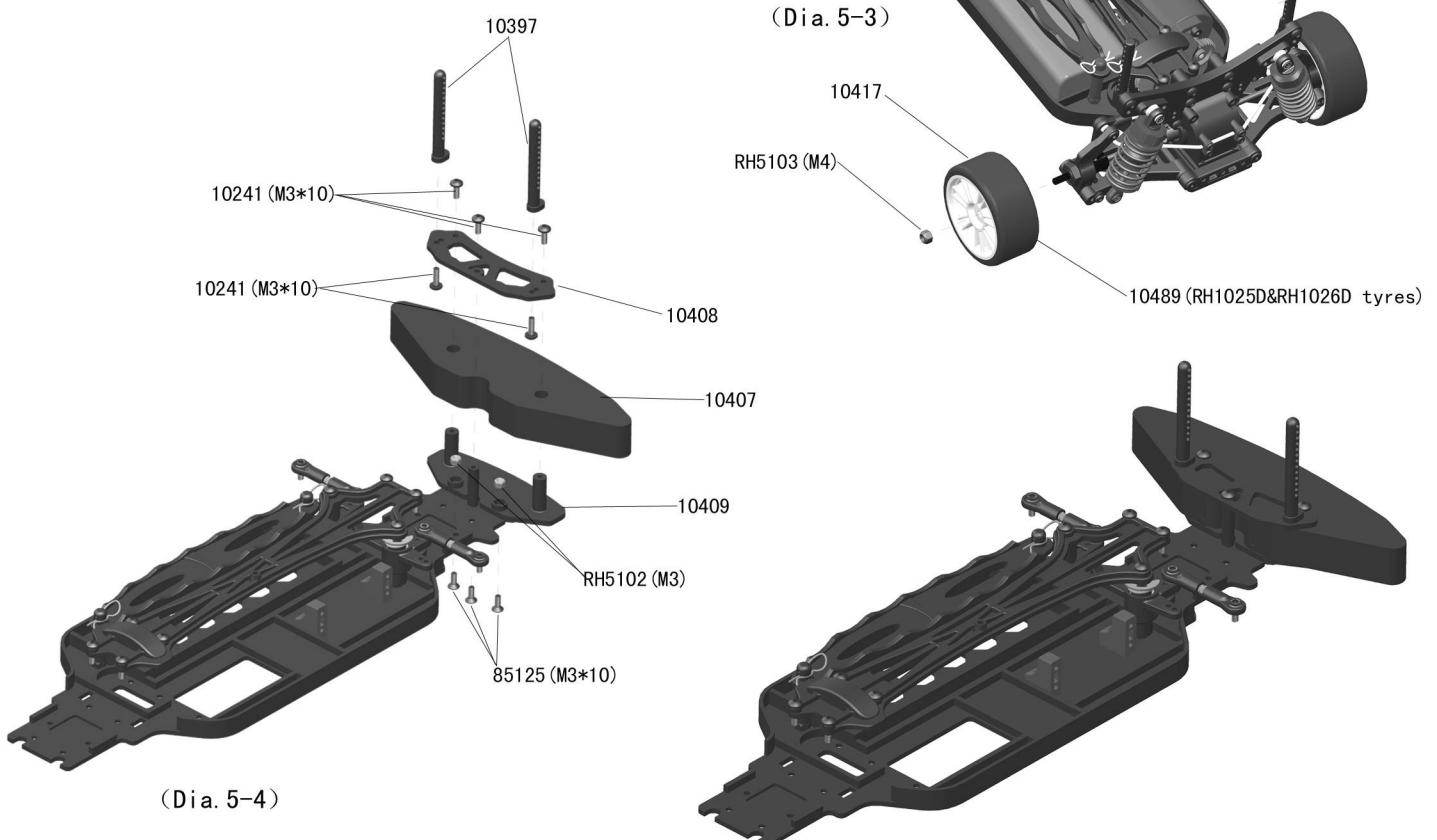
X-Ranger EBD and EBL is almost same but in electronics. X-Ranger EBD comes with brushed system and X-Ranger EBL with brushless system. For hobbyists, we have optional front and rear sway bar for upgrade, which adds higher racing performance.

Other assemblies please refer to Page 4&5

Optional Front & Rear Sway Bar #10933.

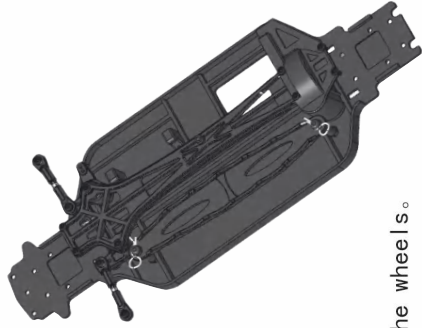


Front Bumper Assemblies.

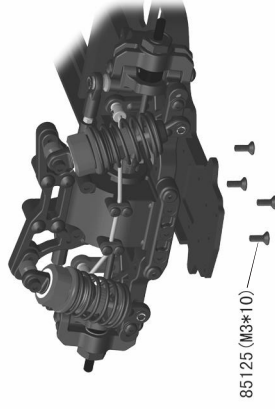


ASSEMBLY STEPS:

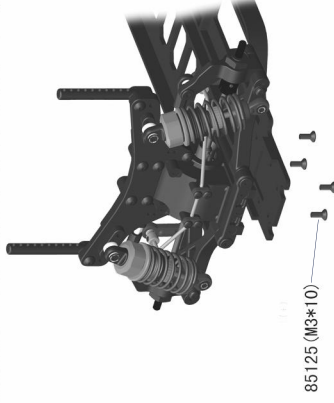
1、Assembly center chassis part (See Dia. 3-1)



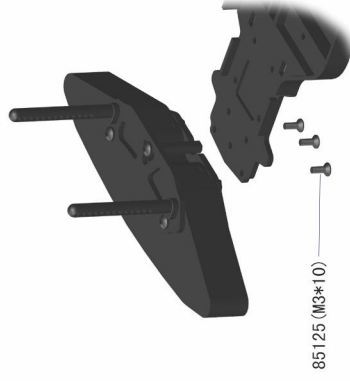
2、Assemble front assembly to chassis front. (See Dia. 4-1)



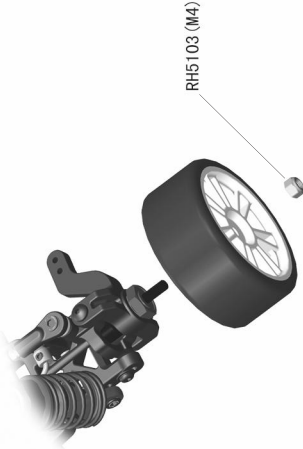
3、Assemble rear assembly to chassis rear part. (See Dia. 4-4)



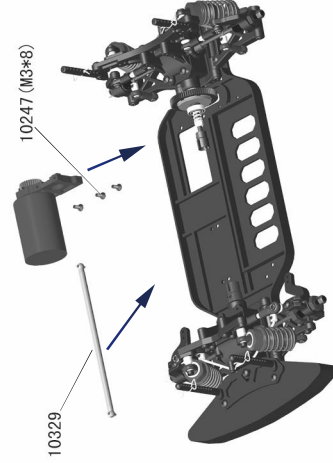
4、Assemble Front Bumper Assembly to chassis rear part. (See Dia. 5-4)



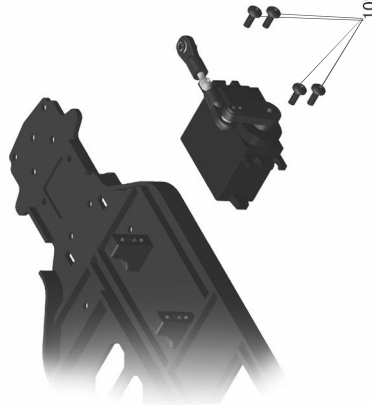
5、Mount the wheels. (See Dia. 2-4, 5-3)



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



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

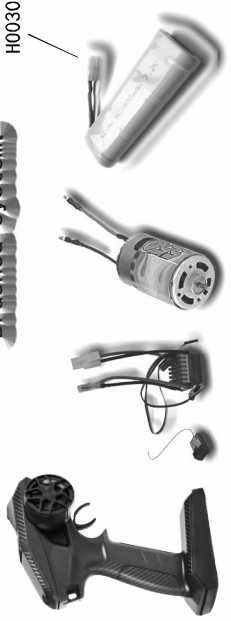


8、Assemble ESC, receiver, battery and connect them to setup. (See Dia. 7-3, 7-5)

Brushless System:



Brushed system:



R0155G



R0155R



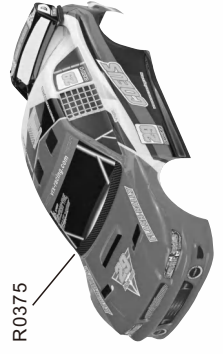
R0366R



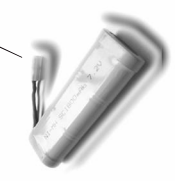
R0366B



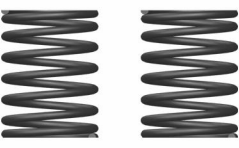
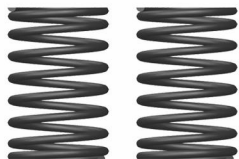
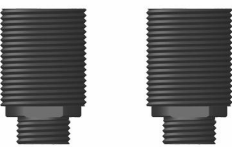
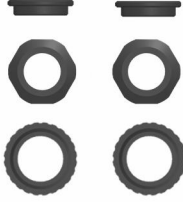
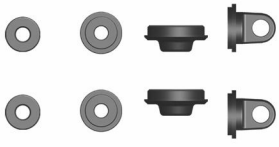
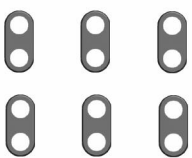
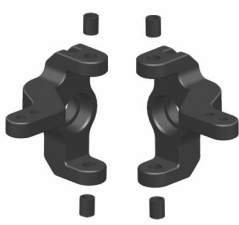
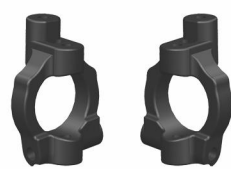
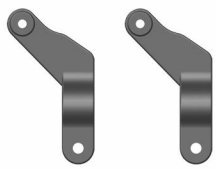
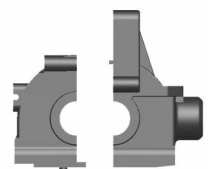
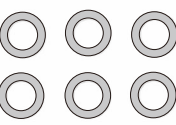
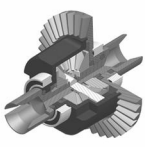
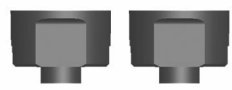
R0375



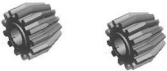
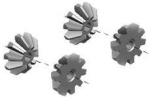
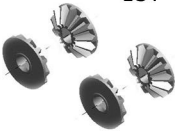
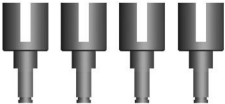
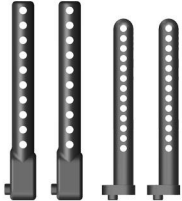
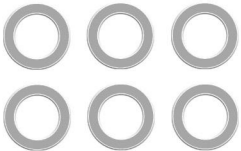
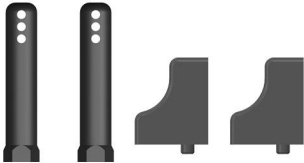
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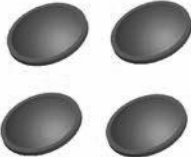
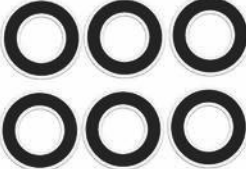
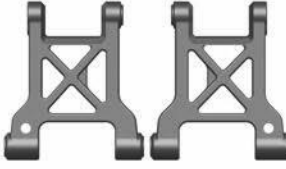
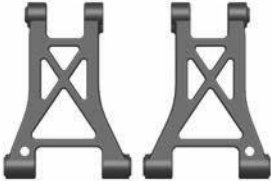
Common Part List

10383-Front Shock Tower 1pc 	10384-Rear Shock Tower 1pc 	10017-Front Shocks 2pc 	10018-Rear Shocks 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 

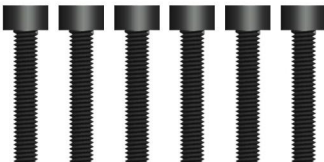
Part List

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 

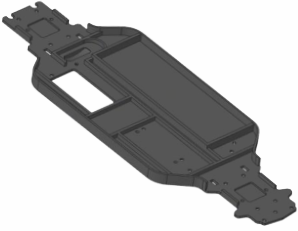
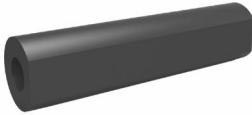
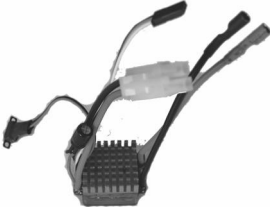
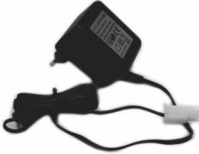
Part List

10197-Slipper Spring 1pc 	10263-Rear Spur Gear Cover R/L 	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 

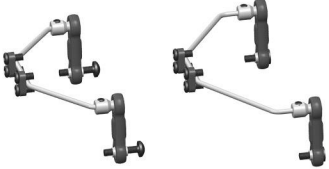
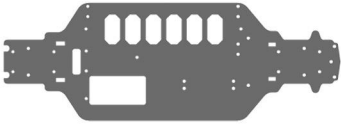
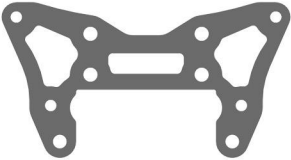
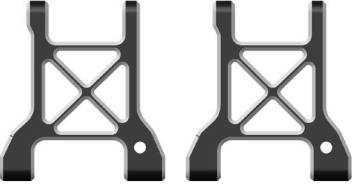
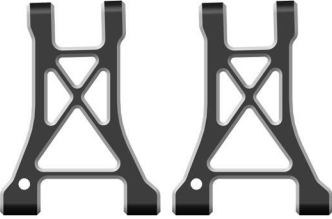
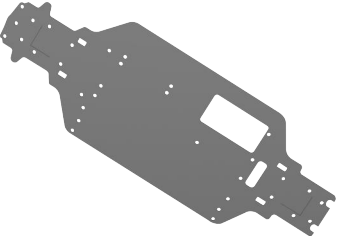
Part List

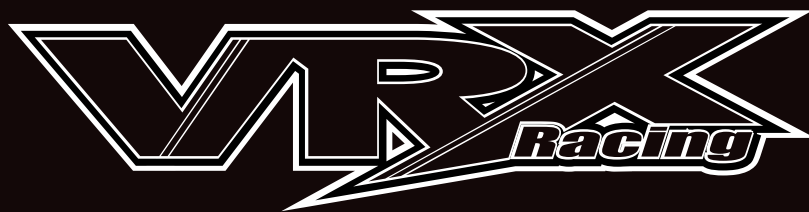
10410-Chassiss plate 1pcs 	10411-Upper plate 1pcs 	10412-Bull board strengthen column 1pcs 	10413-Rear Dogbone 2pcs 
10414-Center Drive Shaft 1pcs 	10415-Hinge Pins(long & short) 1set 	H0049 -3kg/cm Servo 1pcs 	10417-Touring wheel complete 2sets 
10418-Touring tyre & insert 2sets 	10419-Touring rim 2pcs 	85029-Body Clip(Small Size) 6pcs 	85034-Body Clip(Medium Size) 6pcs 
H0030-Ni-MH 7.2V 1800mAh 1pcs H0031-Ni-MH 7.2V 3000mAh 1pcs 	10407-Bumper sponge 1pcs 	H0050 -400A ESC 1pcs 	H0051-3650(4200KV) Brushless Motor 1pcs 
H0048 - 540 Brushed Motor 1pcs 	H0026 - Brushless ESC 1pcs 	10253 - 1/10 Charger CE 1pc 10254 - 1/10 Charger UL 1pc 10255 - 1/10 Charger BS 1pc 	85274-Li-Po 3250mAh 7.4V 1pcs 
R0366B-PrintedBody (BLACK) 1pcs 	R0366R-Printed Body (RED) 1pcs 	R0155G-Printed Body (GREEN) 1pcs 	R0155R-Printed Body (RED) 1pcs 

Parts List

11096-Front Shock Tower (AL) 1PC 	11097-Rear Shock Tower (AL) 1PC 	10066- Front Shocks 2pc 	10066- Rear Shocks 2pcs 
10547-Rally tires 2sets 	10548-Rally tyre & insert 2sets 	10549-Rally rim 2pcs 	R0375-Printed Body 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 	11110-Center Drive Shaft (Carbon) 1pcs 	10489-Drifting tyres 4pcs  RH1025D&RH1026D	13100-Chassis (AL) 1pc 



<https://www.vrx-racing.com>



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Online shop: <https://www.riverhobby.com>



FRAGILE



THIS WAY UP



KEEP DRY



FOR 14+ YEARS



MADE IN CHINA

NO: 1.1

WARNING!

This is not a toy and is not suitable for children under 14 years of age without adult supervision. Keep out of reach of three children. Contains small parts that represent a choking hazard.