NO COMPROMISE!
IVB SCALE ELECTRIC 4WD RACING KIT





INSTRUCTION MANUAL











IMPORTANT THE TOTAL SAFETY NOTE



CAUTION

To avoid serious personal injury and property damage, operate all remotely controlled models in a responsive manner as out-lined below.

R/C car models can exceed speeds of 40km/h (25mph), and cannot be stopped quickly.

- 1- Never run R/C models on the street or highways, as it could cause or contribute to serious traffic accidents.
- 2- Never run an R/C model near people or animals, nor use people or animals as obstacles when operation R/C vehicles.
- 3- To avoid injury to persons or animals, and damage to property, never run a R/C model in a confined or crowed area.
- 4- Running R/C models into furniture or other inanimate objects will cause damage to the objects and the R/C models.

CAUTION DURING OPERATIONS / PRECAUTIONS A OBSERVER PENDANT L'UTIL ISATION

When the R/C model is in operation, dot not touch any of its moving parts, such as drive shafts, wheels, as the rotating parts can cause serious injury.

- 1- The vehicle motor gets very hot during running and could cause burns if touched.
- 2- Make sure that no one else is using the same frequency as yours in your running area. Using the same frequency at the same time, whether is driving, flying or sailing, can cause loss of control of the R/C models, resulting in serious accidents.
- 3- Properly connect plugs. To prevent electrical shock and/or damage to the product resulting from a short-circuit; insulate connections with heat shrink tubing or electrical tape.

Before running vehicle, check that battery wiring and plugs are not so loose as to drag on the ground. Properly secure cables using electrical tape or nylon tie-wraps.

4- Stiff rotation of gears, shafts, joints and wheels can burn out the motor. It's recommended to check proper joint and shaft rotation by using one 1,5V dry cell during assembly of the model.

A worn motor will overheat and result in a short running time. Replace a worn out motor as soon as possible.

5- R/C models will run out of control when either the receiver or transmitter battery voltage drops off. Stop the vehicle immediately when the car starts to show down to prevent it from running out of control.

SAFETY PRECAUTIONS/ CONSIGNES DE SECURITE

Follow the outlined rules for safe radio control operation

Avoid running the car in crowed area and near small children.

Make sure that no one else is using the same frequency in your running area. Using the same frequency at the same time can cause serious accidents, whether it's driving, flying or sailing.

Avoid running in standing water and rain. If R/C unit, motor, or battery get wet, clean and dry throughly in a dry shaded area.

R/C operating procedures

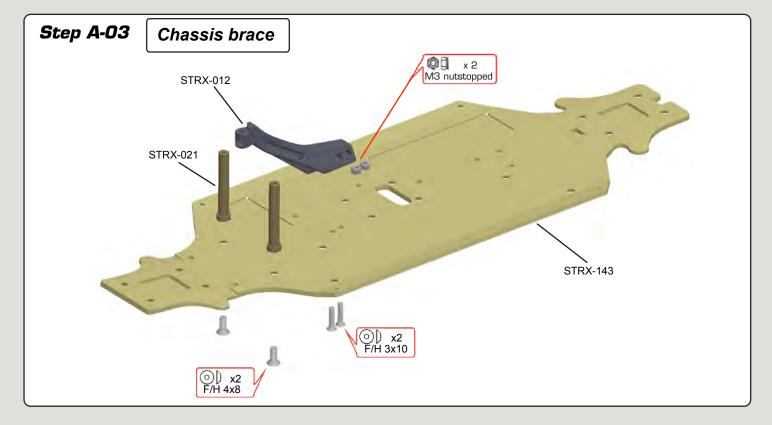
- 1- Make sure the transmitter controls and trims are in neutral. Switch on transmitter.
- 2- Switch on receiver.
- 3- Inspect operation using transmitter before running.
- 4- Adjust steering servo and trim so that the model runs straight with transmitter in neutral.
- 5- Reverse sequence to shut down after running.
- 6- Make sure to disconnect/remove all batteries.
- 7- Completely remove sand, mud, dirt etc
- 8- Store the car and batteries separately when not use

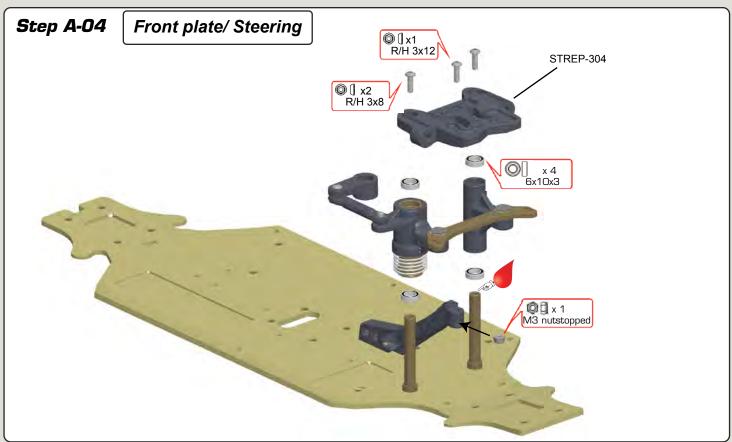
Proper gear ratio should be determined by the available output power of the motor; type of battery; track condition and layout It should be also noted that running the car on a good grip surface suggests use of pinion gear 1 teeth smaller, in order to effectively use all of the available battery power.





BAG-A

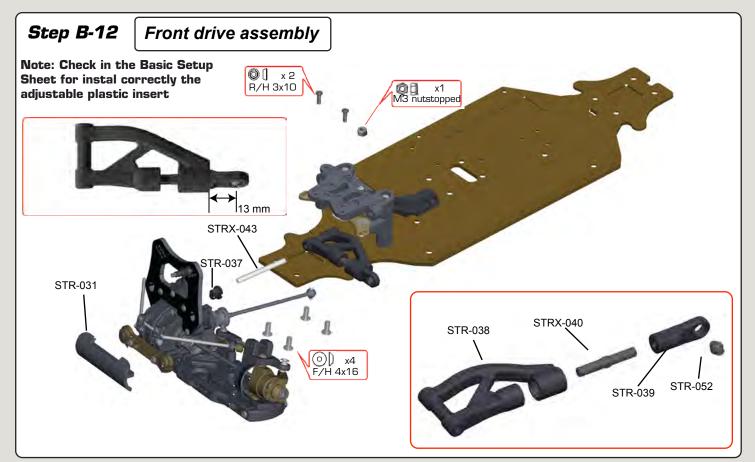


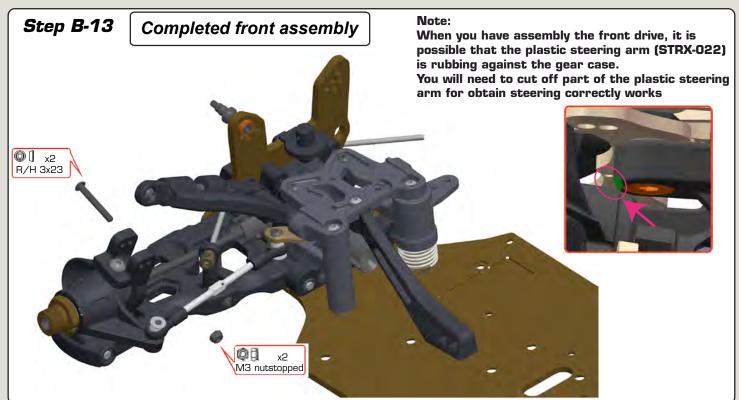






BAG-B

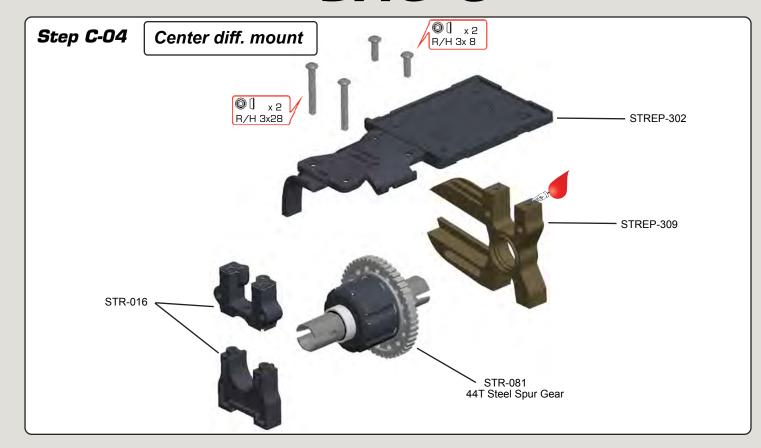


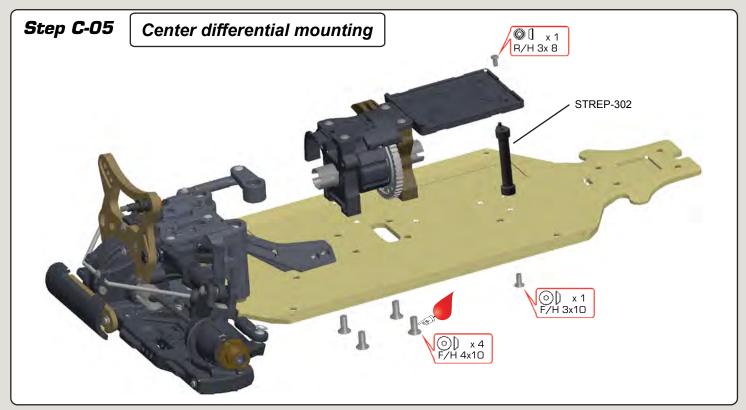






BAG-C



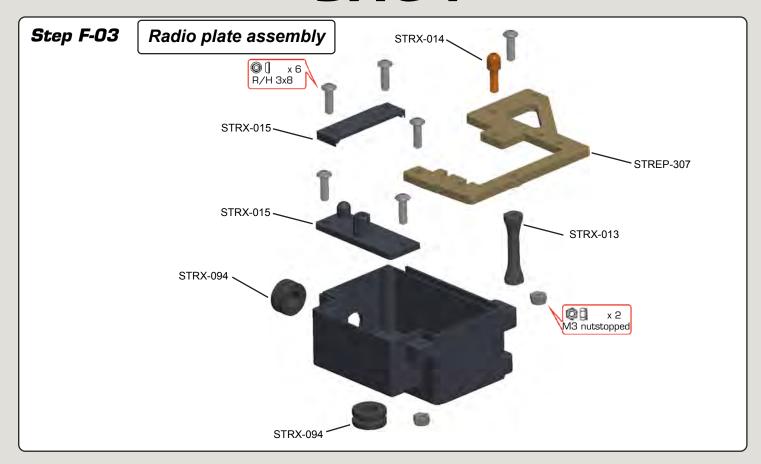


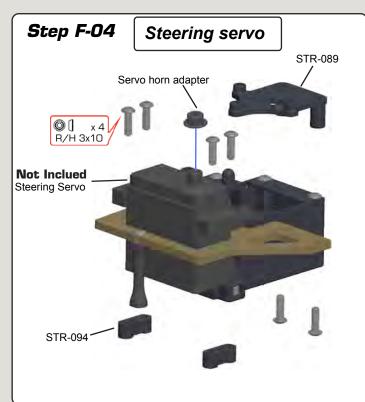


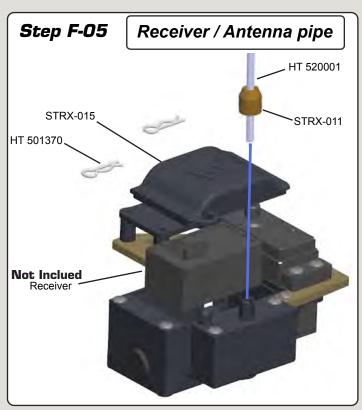




BAG-F



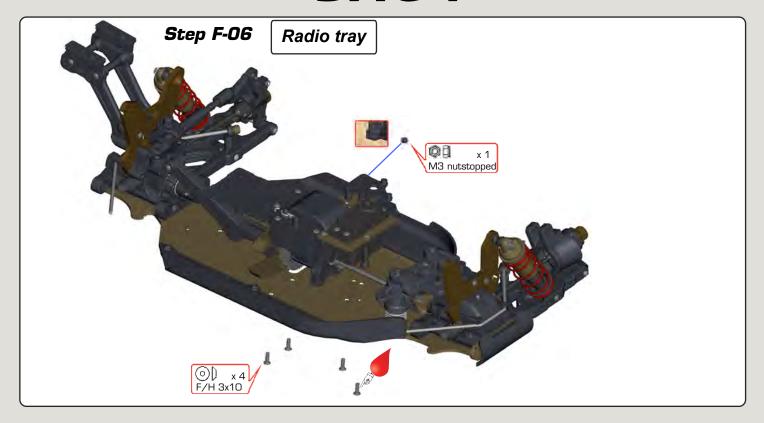


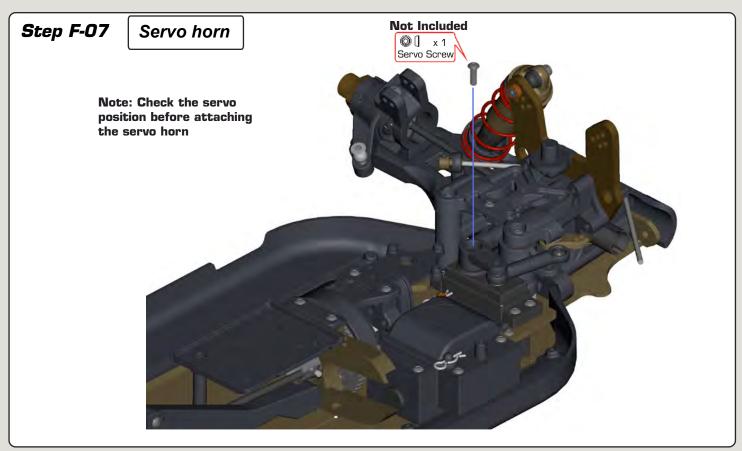






BAG-F

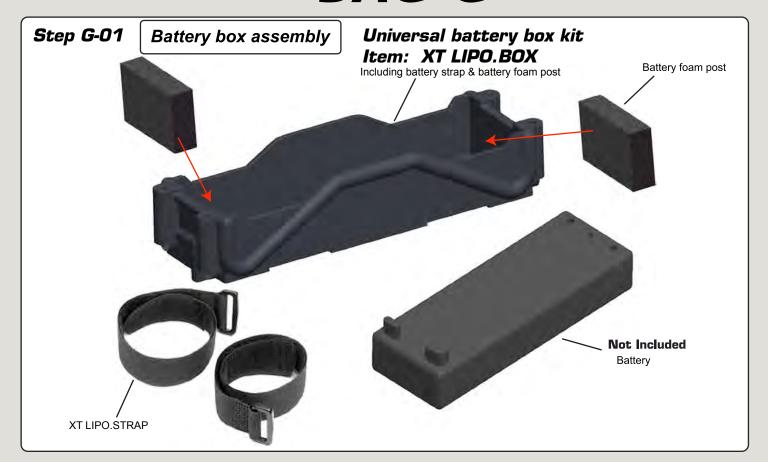


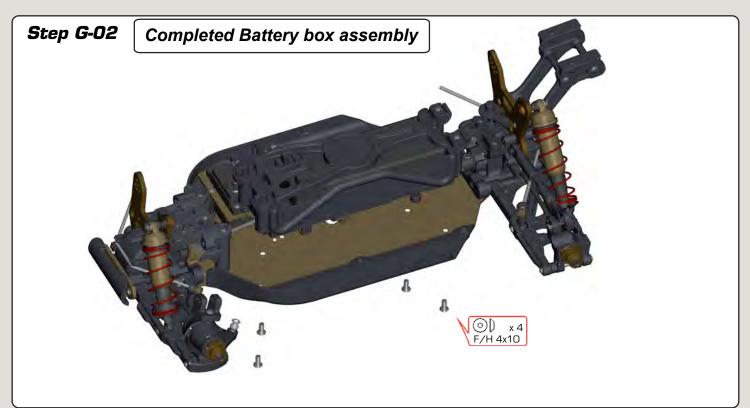






BAG-G









17

8,57

8,95

18

8,09

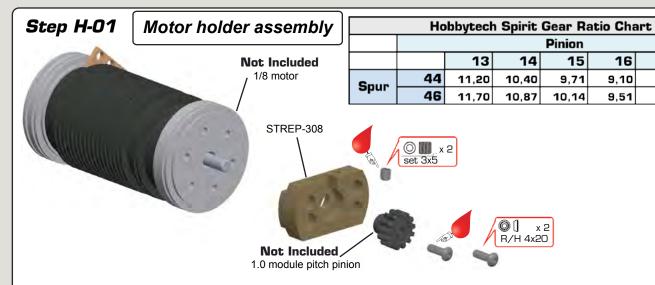
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9,10

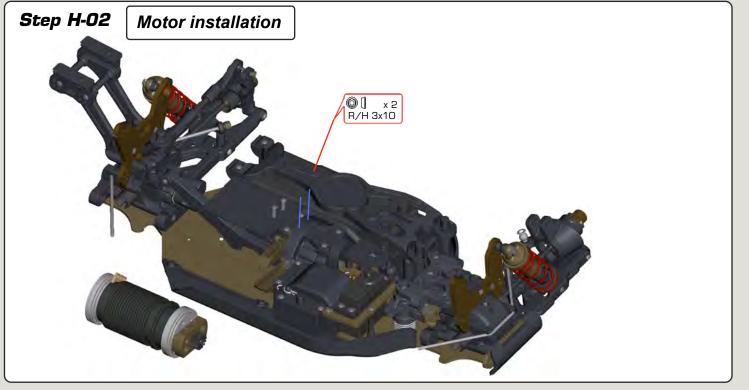
9,51

BAG-H



Hobbytech Spirit EP (44T Spur)			
Motor (Kv)	Pinion (T)		
	LiPo 4s	LiPo 6s	
1400	20	13	
1600	17	12	
1800	16	11	Use
2000	15	10	STREP-300
2200	14	10	

Note: Use an appropriate pinion gear for you motor. A bad compromise between the pinion and the spur gear can dammage your electrical components.





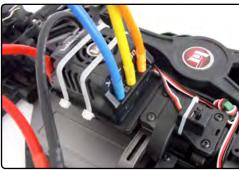


BAG-H

Step H-03

Step H-06

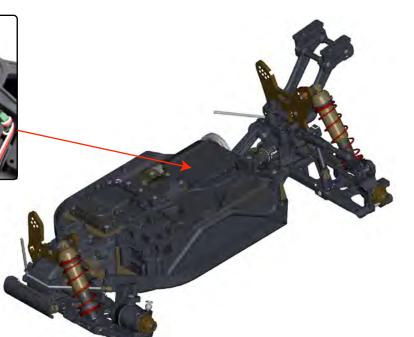
ESC installation



Note: Use the double tape (provided in the kit) to fixe the ESC.

You can also do like the picture bellow, you have to add 2 tie rap (not included) to secure the whole parts together

Body assembly



Note: Don't forget to remove the protective film before puting the stickers. CA 281 HT 501390

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REFERENCE GUIDE



SPIRIT EP Parts List

CA 281 Spirit EP body STR-016 Center Diff Mount STR-081 44T Steel spur gear STR-089 Transponder holder STREP-302 Center diff plate STREP-304 Front plastic plate STREP-307 Alu radio plate STREP-308 Alu motor holder STREP-309 Alu motor/diff mount Spirit EP main chassis STRX-143 XT LIPO.BOX Universal LiPo box XT LIPO.STRAP Battery Strap

SPIRIT EP Screw set

F/H 4x10 Flat Head Screw (qty 8)
R/H 3x8 Round Head Screw (qty 3)
R/H 3x10 Round Head Screw (qty 2)
R/H 3x12 Round Head Screw (qty 2)
R/H 3x28 Round Head Screw (qty 2)

Notes

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