

EXCLUSIVE PROFESSIONAL

# HUDY STAR-BOX

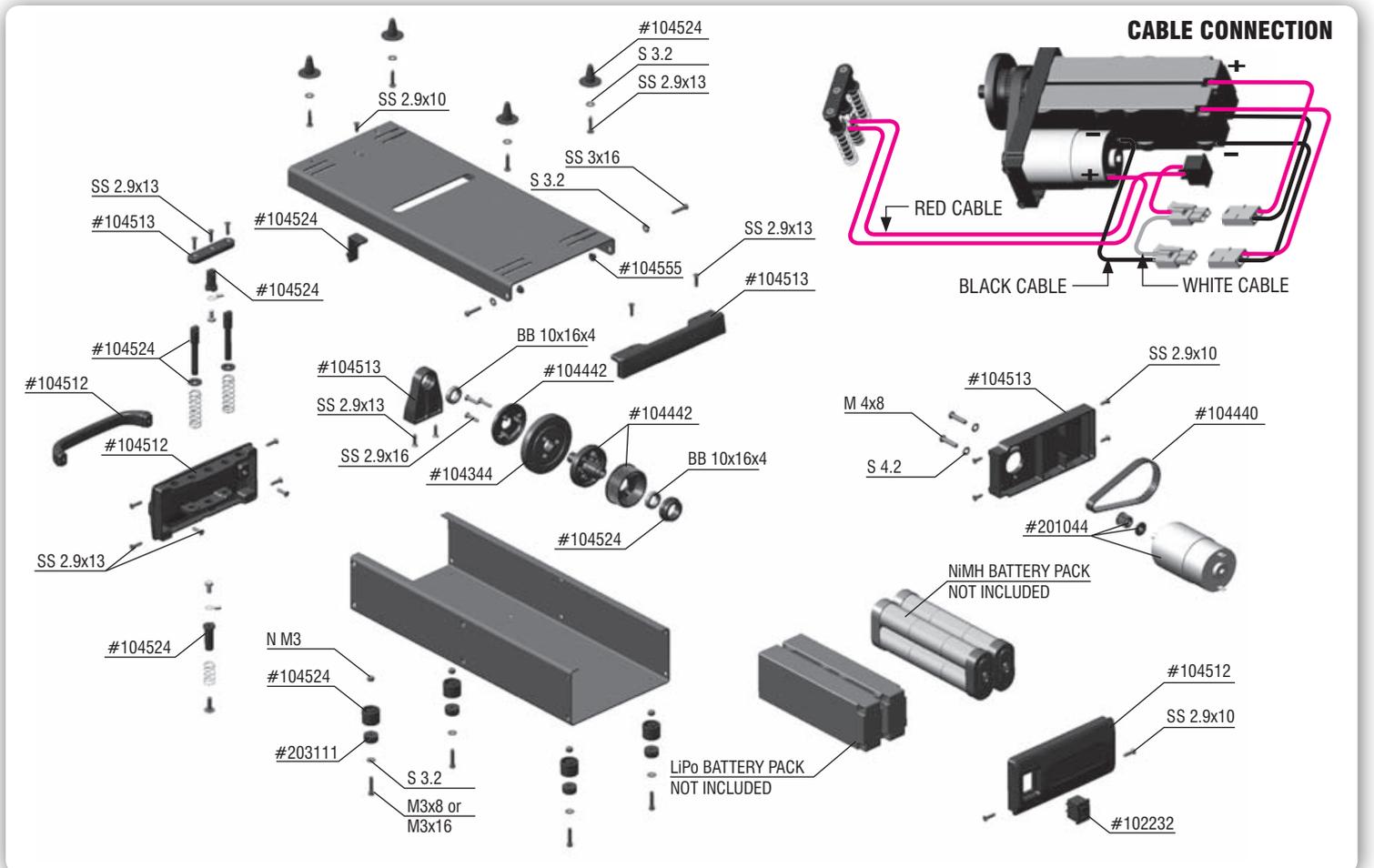
FOR 1/8 OFF-ROAD CARS & TRUGGY



## INSTRUCTION MANUAL

The HUDY Star-Box is a unique starter box designed for 1/8 off-road cars and truggies; the ultimate star among all starter boxes on the market! The world's lowest, ultra-compact starter box with lightweight design has bracket plate posts to fit most 1/8 off-road cars and truggies. The Star-Box is designated for either standard NiMH and LiPo 2S batteries.

The Star-Box has an ultra-cool stylish design and comes fully assembled, ready to use. The premium quality, long-life drive belt system runs off a powerful 775-type motor (with fan) which is powered by two standard-size 7.2V battery stick packs or LiPo 2S packs (not included). The CNC-machined aluminum housing and top plate have a high-quality black coating for extra durability. Countersunk housing screws are recessed with the surface to eliminate unwanted protrusions. An integrated switch for comfortable on/off switching is attached to a premium-quality wiring harness with extra-thick cables and quick-change fast-on connector; no soldering required. The quick-change starter wheel system was designed to allow for fast & simple replacement of the starter wheel; only 3 screws! An integrated composite handle with ergonomic back cover allows for comfortable carrying. Higher plastic feet are included to configure the Star-Box for use with taller truggies. The starter wheel can be mounted on both right or left side.



#102232 POWER SWITCH (ON-OFF)

#104344 STARTER WHEEL - HARD

#104440 PUR-REINFORCED BELT 8 x 192MM

#104442 STARTER WHEEL ADAPTER, PULLEY & COVER

#104512 COMPOSITE SIDE COVERS & HANDLE

#104513 COMPOSITE SPARE PARTS SET

#104524 COMPOSITE CHASSIS BRACKET POSTS & PARTS

#104555 STEEL BUSHING FOR 1/8 OFF-ROAD STAR-BOX (2)

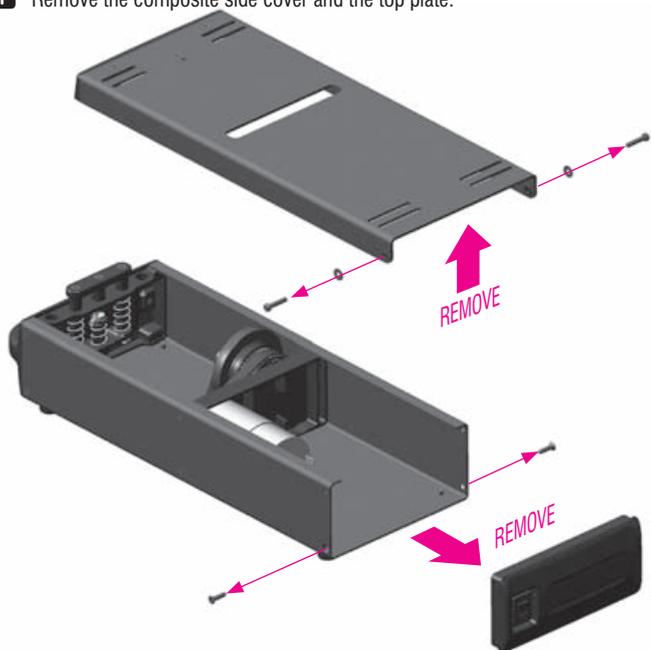
#104570 CABLE WITH LiPo CONNECTORS (OPTION)

#201044 STARTER BOX MOTOR

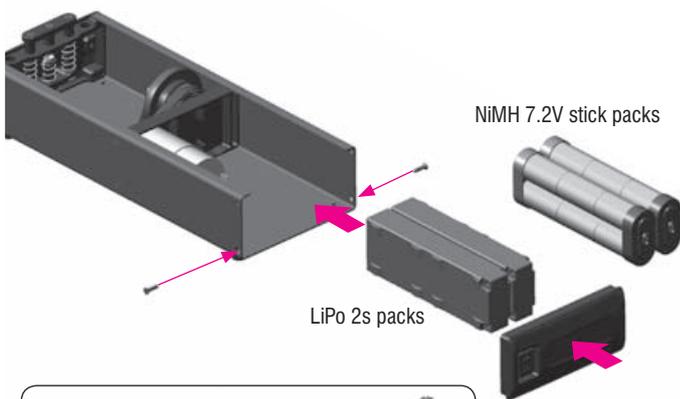
#203111 BLACK RUBBER FEET (4)

# FINAL ASSEMBLY & ADJUSTMENT

**1** Remove the composite side cover and the top plate.

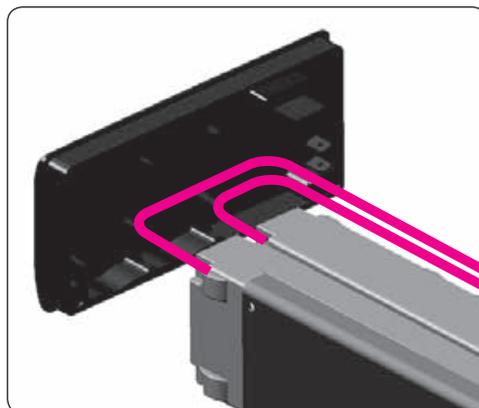


**2** The Star-Box uses 2 standard 6-cell 7.2V or 2 LiPo 2s battery packs (NOT INCLUDED).



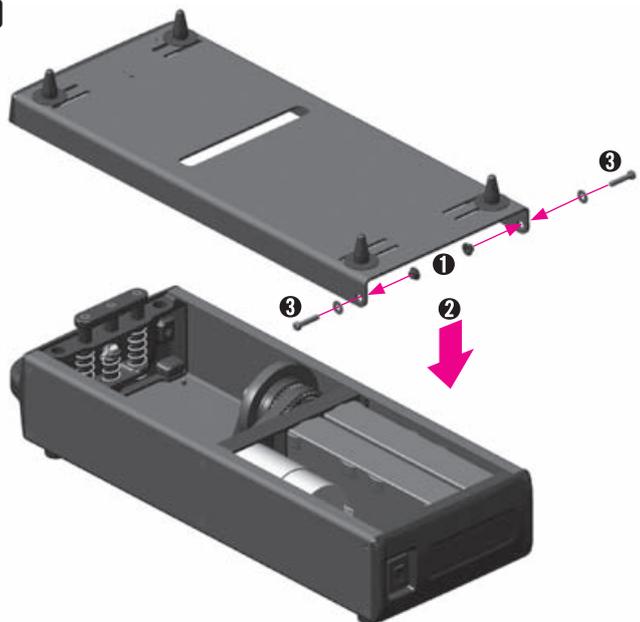
**NOTE:** When using LiPo 2S battery packs, you must use the optional #104570 Cable with LiPo Connectors.

Place the battery cables as shown, put them through the open areas and put them inside the starter box.



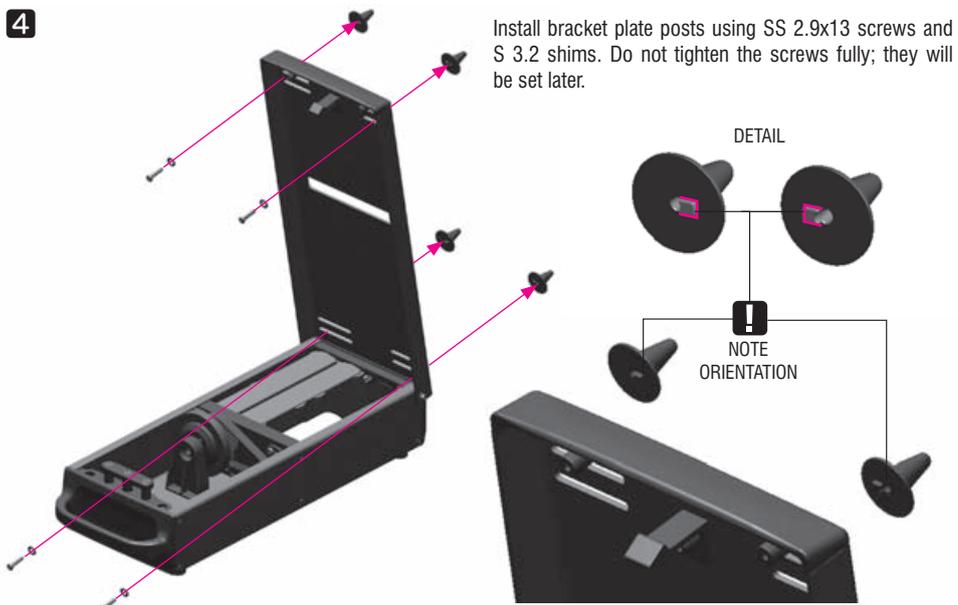
To install the battery packs, insert the battery packs through the battery slots and route the cables within the slot. Reinstall the rear cover.

**3**

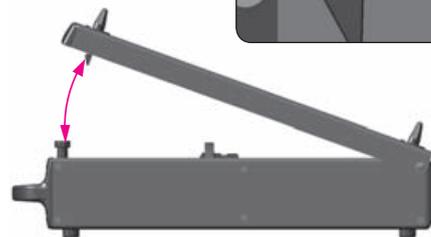


**4**

Install bracket plate posts using SS 2.9x13 screws and S 3.2 shims. Do not tighten the screws fully; they will be set later.

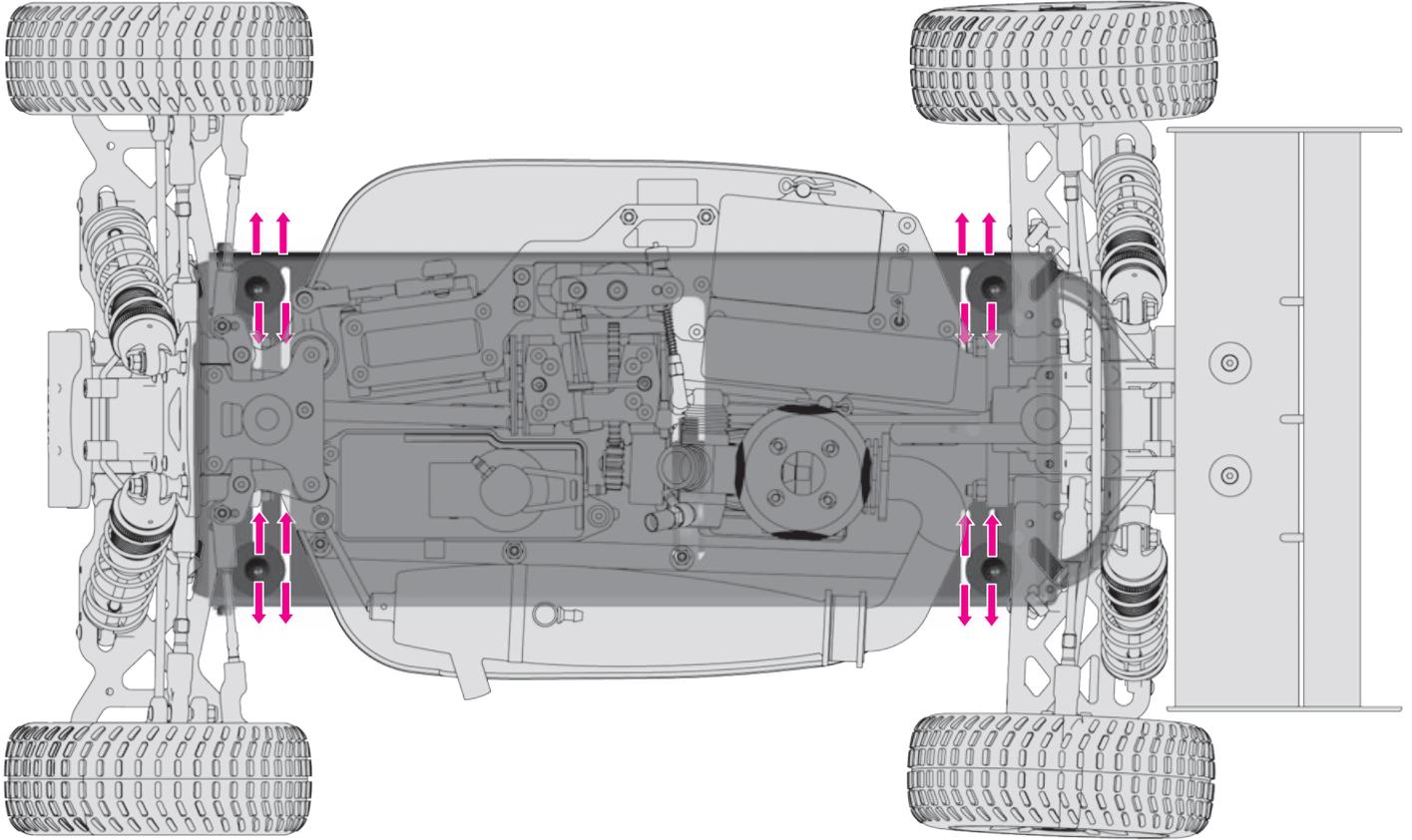


DETAIL



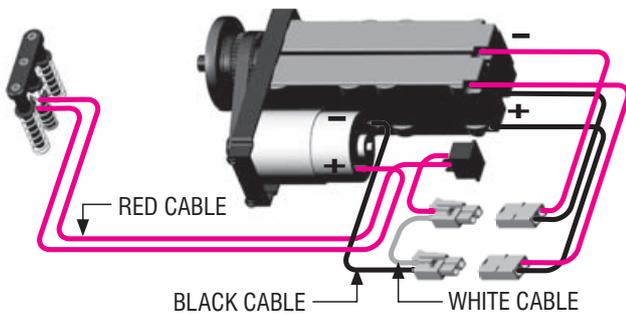
When the top cover is mounted on the Star-Box, close the cover by inserting the top plate stop under rear chassis bracket. This would protect the top cover from unexpected opening. The top cover can be removed by pushing on the cover from the bottom.

- 5 Place the car on the Star-Box so that the engine flywheel aligns with the starter wheel. If the car does not fit properly, adjust the bracket plate posts accordingly. Before placing the car on the Star-Box, operate the Star-Box to ensure the starter wheel spins in the proper direction.

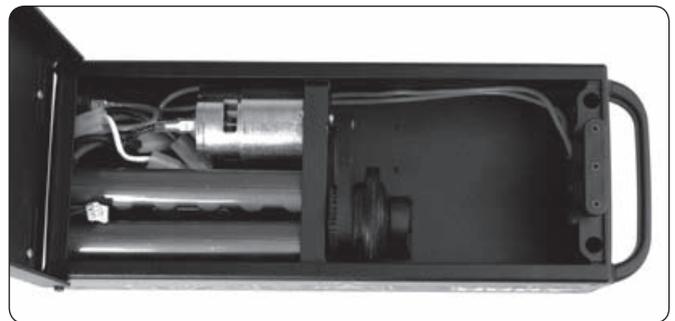


## ELECTRONICS ASSEMBLY

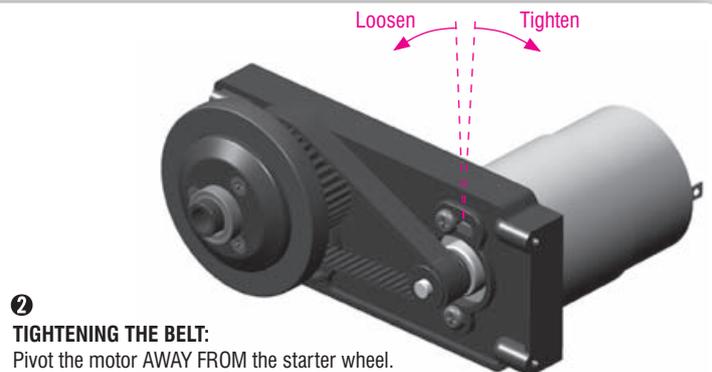
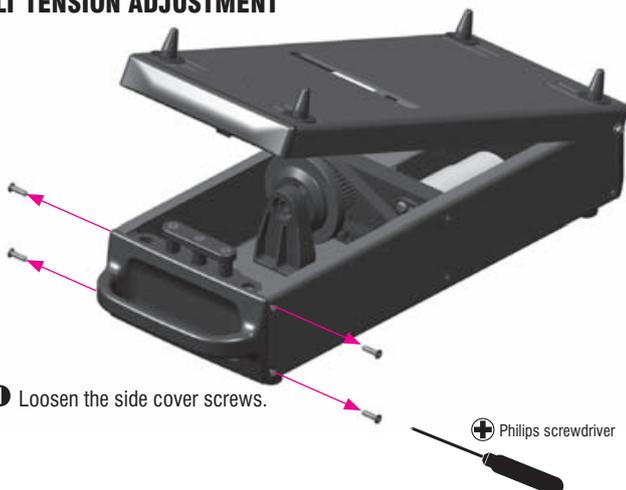
### BATTERY CONNECTION



### FINAL ASSEMBLY VIEW



### BELT TENSION ADJUSTMENT



- 2 **TIGHTENING THE BELT:**  
Pivot the motor AWAY FROM the starter wheel.

- LOOSENING THE BELT:**  
Pivot the motor TOWARD the starter wheel.

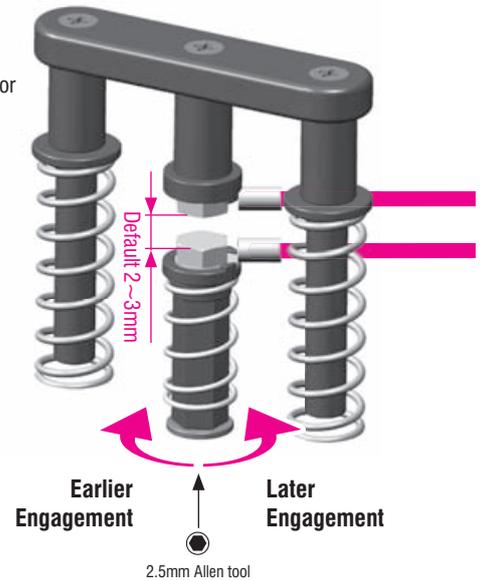
- 3 Tighten the motor screws.

## ENGAGEMENT

The Star-Box is pre-adjusted from the factory, so there should be no immediate need for adjustment.

However, you can easily adjust the Star-Box engagement by tightening or loosening the adjusting screw to give earlier or later engagement, respectively.

Insert the 2.5 allen tool into the screw through the hole in the cover.



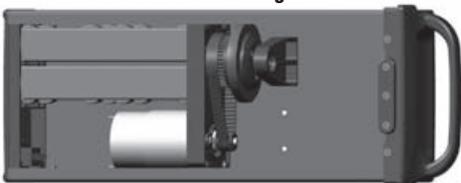
## ADDITIONAL ADJUSTMENT

### STARTER WHEEL POSITION

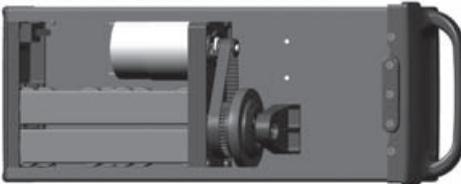
The Star-Box comes with the starter wheel mounted on the left side to accommodate the majority of 1/8 off-road cars and truggies.

However, for cars that have the engine on the RIGHT side you must change the position of the wheel by flipping the motor holder by 180° which will move the engine and starter wheel to opposite sides. You must switch the rear cover and batteries as well.

#### A) for 1/8 off-road cars with motor on right side

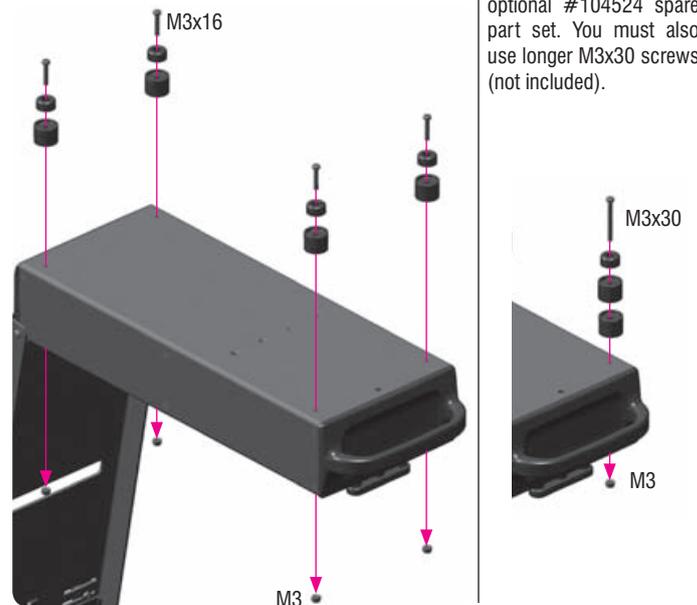


#### B) for 1/8 off-road cars with motor on left side



### ADJUSTMENT for 1/8 TRUGGY

When using the Star-Box with a truggy, install the additional high spacers as shown.



### TECH TIP

For extreme downtravel on truggies, you can install an extra-high set of spacers included in the optional #104524 spare part set. You must also use longer M3x30 screws (not included).

## IMPORTANT NOTES

### ELECTRICAL

- Do not disassemble the battery pack or cut battery cables. If the running battery short-circuits, approximately 300W of electricity can be discharged, leading to fire or burns. Never disassemble the battery pack or cut battery cables.
- Use a recommended charger for the battery pack and follow the instructions correctly. Over-charging, incorrect charging, or using inferior chargers can cause the battery pack to become dangerously hot. Recharge battery when necessary. Continual recharging may damage battery and, in the worst case, could build up heat leading to fire. If battery becomes extremely hot during recharging, please ask your local hobby shop for check and/or repair and/or replace the battery.
- Regularly check your charger for potential hazards such as damage to the cable, plug, casing or other defects. Ensure that any damage is rectified before using the charger again. Modifying the charger may cause a short-circuit or overcharging leading to a serious accident. DO NOT modify the charger.
- Always unplug the charger when recharging is finished.
- Do not recharge the battery while it is still warm. After use, the battery retains heat. Wait until it cools down before charging.
- Disconnect and remove the battery pack if you plan to not use the Star-Box for an extended period of time (e.g., several days).

### ⚠ PRECAUTIONS

- Do not allow water, moisture, fuel or foreign objects to come in contact with the motor.
- Always turn the starter box "off" when not in use.
- Always disconnect the batteries before attempting to work on the Star-Box.
- Make sure all parts & components are tight before operating the Star-Box.
- Use extreme caution when working on the Star-Box; it contains rotating parts that can potentially cause serious personal injury.

### MAINTENANCE

- Remove excess build-up of debris, dirt, fuel, etc. from the Star-Box to ensure proper, clean operation. Do not use solvent-based chemicals to clean the components of the Star-Box.

### OPERATING TIPS

- Inspect the Star-Box wiring and components before each use, and do not use the Star-Box if any wiring or components appear to be damaged, cut, or worn.
- Before placing a car on the Star-Box, operate the Star-Box to ensure the starter wheel spins in the proper direction.
- If the car's nitro engine seizes at TDC while the car is on the Star-Box, do not continue to try starting the engine; damage will result to the Star-Box and the engine flywheel. Rotate the nitro engine flywheel until the piston is at BDC and try starting the car again.
- When the starter wheel speed is noticeably reduced, you should fully charge the battery pack.

### ⚠ WARNING

Take enough safety precautions prior to operating this product. You are responsible for safe operation. Improper operations may cause personal and/or property damage. HUDY has no control over damage resulting from shipping, improper construction, or improper usage. HUDY assumes and accepts no responsibility for personal and/or property damages resulting from the use of improper building materials, equipment and operations. By the act of assembling and operating this product, the user accepts all resulting liability. If the buyer is not prepared to accept this liability, then he/she should return this product in new, unassembled, and unused condition to the place of purchase. This product is not a toy, it is a high quality professional starter box for 1/8 off road and truggy RC cars for persons age 16 and older. Content of box may differ from picture. In line with our policy of continuous product development, the exact specifications of this product may vary without prior notice. HUDY guarantees this product to be free from defects in both material and workmanship. The total monetary value under warranty will in no case exceed the cost of the original product purchased. This warranty does not cover any components damaged by use or modification or as a result of wear. Part or parts missing must be reported within 60 days of purchase. No part or parts will be sent under warranty without proof of purchase. Should you find a defective or missing part, contact the local distributor. Service and customer support will be provided through local hobby shop store where you have purchased this product. HUDY and HUDY USA are registered trademarks of HUDY.