

For Immediate Release: June 21, 2023

## RC8B4 Team Kit

#80945



NITRO ▪ OFF ROAD ▪ 1:8 SCALE ▪ 4 WHEEL DRIVE ▪ KIT

### PUSHING THE BOUNDARIES.

1:8 scale off road racing is one of the hobby's most challenging disciplines; it requires a high standard and demands attention to detail. The latest development to come from Associated Electrics' Area 51 is designed to push boundaries of performance and build upon the number of accolades accumulated by the RC8 series.

### SPECIFICATIONS

<b>Scale</b>	1:8
<b>Power</b>	Nitro
<b>Length, with wing</b>	486mm (19.13")*
<b>Width</b>	304.5mm (11.99")*
<b>Weight</b>	Varies*
<b>Wheelbase</b>	321.5-329mm
<b>Final Drive Ratio</b>	12.38:1

\*Final width, length, and weight will vary based on electronics, nitro engine, tire configuration, wing position, and vehicle setup.

### ITEMS NEEDED TO COMPLETE

- 1:8 scale nitro motor (.21 class rear exhaust engine)
  - Exhaust system: muffler and header joining pack or muffler spring
  - 4.8V-7.6V receiver battery
  - Battery charger (suited for one of the batteries mentioned above)
  - 2-channel surface transmitter, 2-channel receiver, and steering servo
  - Lexan® specific spray paint for body
  - 1:8 scale off-road wheels and tires
- Other helpful items:* Silicone Shock Fluid. Silicone Diff Fluid. Body Scissors (#1737). Reamer (#1499). FT Wrench Set (#1519). 5mm hex driver (#1506). Hobby Knife. Needle Nose Pliers. Wire Cutters. Soldering Iron. Calipers or a Precision Ruler.

## HIGHLIGHTS

# RC8 B4 TEAM KIT



Wing has vertical fins and a taller rear lip for increased straight line stability and downforce



Wing mount features adjustable with wing angle shims, strength improvements, and aerodynamic shape



16mm shocks equipped with improved material for locking spring cups and camber link rod ends



New rear chassis brace is mounted centrally to the gearbox, which reduces material fatigue



Front and rear suspension arms engineered with optimal flex and stiffness



Fuel tank with ergonomically designed lid puller, high capacity, and quick reference fuel markings



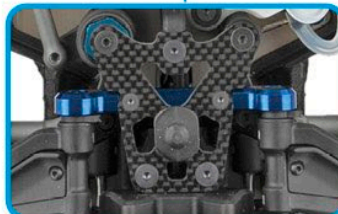
7075 aluminum hard anodized chassis features updates to strengthen the front and rear droop tab areas



Innovative front-end geometry with new 8° inclined kingpin steering blocks



Front upper arm includes a unique optional molded "wing" insert for increased front-end downforce



Carbon fiber front top plate centralizes the front chassis brace for balanced flex in all directions

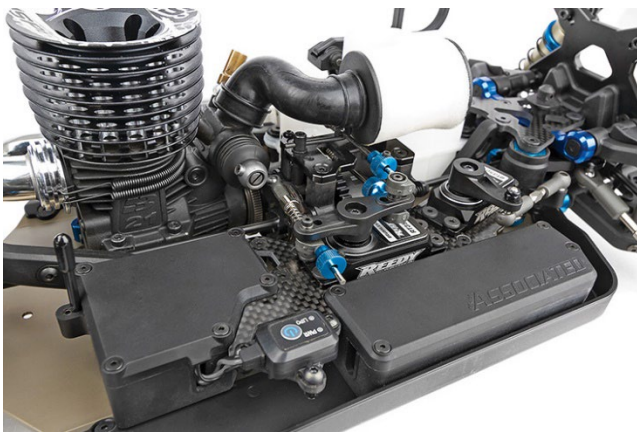


New front and rear gearbox designs are engineered for better drivetrain efficiency

Due to ongoing R&D, photos may not match final kit. Vehicle shown on these pages equipped with items NOT included in kit: engine, pipe and header, transponder, servos, receiver, wheels, tires. Assembly and painting required.

## RC8B4 TEAM KIT FEATURES

- Innovative front-end geometry with reduced inclined kingpin steering blocks are paired with a new wider upper suspension arm pivot for improved steering balance and predictable handling in all conditions
- New gearboxes are specific to front and rear with larger 6x13x5 mm flanged bearing sizes resulting in longer life of ring and pinion gears. The front gearbox has an inclined pinion gear angle to straighten the center driveshaft for increased drivetrain efficiency and reduced phasing and vibration while the rear gearbox remains flat.
- Front and rear suspension arms engineered to accommodate a wide range of flex and stiffnesses
- One-piece anti-roll bar links mounted in-line with anti-roll bar with BHC for simplified assembly
- Front upper arms include a unique molded “wing” insert for increased front-end downforce
- New rear wing mount has adjustable wing angle shims, significant strength improvements, an aerodynamic shape, and extra clearance for shock position adjustment
- The adjustable rear wing has more vertical fins for increased straight-line stability, a taller rear wicker lip height for increased downforce and increased strength in various areas to reduce bending fatigue
- New rear chassis brace is mounted centrally to the gearbox, which reduces material fatigue, centralizes shear forces, and improves the life of rear end drivetrain parts while allowing for three different chassis flex options
- New rear hub features a symmetrical left and right common design with axle height inserts for adjustable roll center tuning
- New captured CVA drive shafts design front and rear with center dogbone driveline
- Fuel tank with an ergonomically designed lid puller, quick reference fuel markings and 1-, 2-, and 3cc stackable inserts for volume adjustment at sanctioned events
- Carbon fiber front top plate centralizes the front chassis brace for balanced flex in all directions
- New body shell designed by Area 51 for aggressive looks, functional performance, and lasting durability
- V3 differentials with 42T ring and 12T pinion gears for improved gear ratios
- RC8B3.2 side guards that thread into the chassis from the top side of the car
- RC8B3.2 radio tray: battery and receiver box with removable transponder mount
- RC8B3.2 split center diff mounts with aluminum center top plate
- 16mm shocks equipped with locking spring cups and rod ends in improved material, V2 springs, ‘stiff’ style shock bladder, combination bleeder/emulsion caps, and blue aluminum threaded collars
- RC8B3.2 narrow C and D arm mounts
- 4-shoe aluminum clutch with two composite and two aluminum shoes, optimized clutch springs, and steel 13T clutch bell



**WATCH THE VIDEO!** <https://youtu.be/fHMK9m1Z7Qk>



## MAJOR WINS FOR THE RC8 PLATFORM, 2009-2022

Event	Location	Driver, vehicle
2009 R.O.A.R. 1:8 Fuel Off-Road National Championship	Leisure Hours Raceway; Joliet, IL	Ryan Maifield, RC8T
2010 R.O.A.R. 1:8 Electric Off-Road National Championship	NorCal Hobbies; Union City, CA	Ryan Maifield, RC8Be
2011 R.O.A.R. 1:8 Fuel Off-Road National Championship	Thunder Alley R/C Raceway; Beaumont, CA	Ryan Maifield, RC8T
2011 R.O.A.R. 1:8 Fuel Off-Road National Championship		Ryan Cavalieri, RC8B
2015 Neo-X 1:8 Fuel Off-Road Championship	Harper Adams University; Shropshire, England	Ryan Cavalieri, RC8B3 Prototype
2016 R.O.A.R. 1:8 Fuel Off-Road Nationals	Thornhill Racing Circuit; Hutto, TX	Spencer Rivkin, RC8B3
2016 R.O.A.R. 1:8 Electric Off-Road National Champion	Stateline R/C Raceway; Fremont, IN	Spencer Rivkin, RC8T3e
2017 AARCMCC Australian National Title, SDMCC	Morphett Vale, South Australia	Kyle McBride, RC8B3.1
2017 Neo17 1:8 Fuel Off-Road Championship		Davide Ongaro, RC8B3.1
2018 I.F.M.A.R. World Championship, MORBC Track	Perth, Australia	Davide Ongaro, RC8B3.1
2019 A-Main Hobbies Manufacturers Cup Pro Nitro Buggy	Silver Dollar R/C Raceway, Chico, CA	Spencer Rivkin, RC8B3.1
2019 A-Main Hobbies Manufacturers Cup Pro Electric Buggy	Silver Dollar R/C Raceway; Chico, CA	Spencer Rivkin, RC8B3.1e
2019 R.O.A.R. 1:8 Fuel Off-Road Nationals	Thornhill Racing Circuit; Hutto, TX	Spencer Rivkin, RC8B3.1
2019 RCGP Series Championship	Thunder Alley R/C Raceway; Beaumont, CA	Davide Ongaro, RC8B3.1
2019 Italian 1:8 Nitro Championship	Pista RC "Casa Mora," Castiglione della Pescaia	Davide Ongaro, RC8B3.1
2020 Motorama	Harrisburg, PA	Cole Tollard, RC8B3.1e & RC8T3.1e
2021 Psycho Nitro Blast	White Pine, TN	Spencer Rivkin, RC8T3.2 & RC8B3.2e
2021 Buggyland 8.0	Madrid, Spain	Davide Ongaro, RC8B3.2 & RC8B3.2e
2021 iBuggy Challenge	Barcelos, Portugal	Davide Ongaro, RC8B3.2
2022 Montpellier GP	Montpellier, France	Davide Ongaro, RC8B3.2
2022 I.F.M.A.R. World Championship	Redován, Spain	Davide Ongaro, RC8B4



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