



P4 SC4x4 Setup Sheet

for: **Beachline Raceway**, Cocoa, Florida date: **November 15, 2015**

	Experienced Esc-Motor Combos
Track Surface Description: Indoor smooth high-bite grooved/urethane coated clay surface	Castle 3800kv Sidewinder 4pole 540 150-degree mtr-temp w/15/52gearing
Track-Ready Weight: 2631grams or 5lbs-12.8oz w/simple 3-color paint scheme on lightweight body	Castle 3800kv MMP 4pole 540 155-degree mtr-temp w/16/52gearing
TIRES: F/R: Jconcepts Soft-Indoor Bar Codes w/AKA sc-red inserts * use black inserts up front to detune steering RIMS: DE Racing SC8 17mm hex Borrego yellow or white rims AXLE/HUBS: Tekno axles w/17mm hub adaptors (narrows track by 4mm)	HW SCT Pro & 4000kv 4pole 540 130-degree mtr-temp w/14/50gearing (no. 2 punch control w/112/140epa)
SHOCKS: Losi SCTEs w/hardcoat bodies, aeration caps, AE SC10 4x4 bottom spring cups/eyelets w/Losi Springs (rear shocks mounted on frontside) Dampers: 4, 0.042" or 1mm holes tapered from bottomside (for quicker rebound to keep tires planted longer) Springs: TLR SCTE's black (4.2) fronts and orange (3.0) rears Oils: 40wt all around Shock Tops: NEW inner lower hole b/w top 2 on all 4 corners Bottoms: 2nd to outer on front a-arms & outermost hole on rear a-arms Towers: Exotek's w/2 holes drilled beneath/between stock 3-holes Ride Height: F/R=24mm (at max droop front=40 & rear=53) Driveshaft: Traxxas center driveshaft Preload: 8.0mm Front /2.5mm Rear spring collar preload gaps	Tekin RX8 / 4000kv HW 4pole 540 130-degree mtr-temp w/16/52gearing (62% amp limited w/85/140epa)
Camber Links on Towers: Outer top holes on all 4 corners Camber Links on Front C-hubs: Bottom hole Camber Links on Rear Hubs: Bottom middle hole on Tekno 1.5-hubs Camber: 1.5 degrees inward on all 4 tires Toe: 1.5 rear toe-in via Tekno hubs & 2-3degrees front toe-out Steering: Links go to front holes on Tekno knuckles - washers topside	Tekin RX8 & 4300kv HD 4pole 545 145-degree mtr-temp w/13/50gearing (58% amp limited w/90/140epa)
Battery/Location: Venom 5600mah/60c ROAR Hardcase w/front battery block at rear of front slots (or front of back slots) Differentials (F/C/R): 20-30k mix / 30-40k mix / 3-5k mix ESC/Motor: HW SCTPro & 4000kv 4-pole 540 combo No. 2 Punch (5 is standard) / 50% brake power Servo/Horn: ProTek 160T (.08sec/216oz-in @ 6v) Full-Travel Gearing: 14t pinion / 50t spur gear Motor Temp: 135-145 degrees F Bearings: Fast Eddie spec on driveline, Boca Bearing on motor T&B EPAs: Throttle=112/140 & Brake=81/140	Viper vtx-10r / 4.5 Tekin SCX 2pole 550 167-degree m-temp w/14/50gearing (15-degrees mechanical timing only)
Body: Jconcept's Lightweight Nissan Hi-Flow w/Proline body mounts-2 exposed holes on all 4 posts & cut flush on bottomside.	Tekin RX8 / 4.5 Novak 2pole 550 160-degree m-temp w/14/52gearing (30-degrees mechanical timing only)
Setup Notes: For outdoor tracks raise ride height to 26mm and change the tires to soft AKA Impacts.	Novak Crusher / HW 4000kv 4pole 540 running soon w/14/50gearing
Durability Notes: A vehicle will go faster, more efficiently and with less wear when throttle & brake epas are turned down to reasonable levels. Max throttle should feel like traction control w/o ballooning tires & diffs. Max brake should barely be able to stop the vehicle.	Less is more w/r/t throttle & brake EPAs * Add 60-degrees or drop 2 pinion teeth for onroad racing motor temps