

|                  |                                | Standard Setup                                                                             | Very Low Grip<br>(Change from standard) | Very High Grip<br>(Change from standard)                        | Very Bumpy<br>(Change from standard)                                                | Comment                                                                                                                                                                                                                                                                                                                                                 |
|------------------|--------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FRONT SUSPENSION | Shock Mount Top / Bottom       | Inner / Outer                                                                              |                                         |                                                                 |                                                                                     | Usually leave in this position.                                                                                                                                                                                                                                                                                                                         |
|                  | Camber Link Tower / Hub        | Inner / Inner                                                                              |                                         |                                                                 |                                                                                     | Very rarely change. Lengthening gives less initial response, more mid/exit steering.                                                                                                                                                                                                                                                                    |
|                  | Washers Inner                  | 2mm                                                                                        | 1mm                                     |                                                                 |                                                                                     | Less washers (higher roll centre) gives more aggressive initial turn-in but less mid corner. Good for slippery tracks.                                                                                                                                                                                                                                  |
|                  | Camber                         | -1 deg                                                                                     | -0.5deg                                 |                                                                 | -2deg to -3 deg                                                                     | Less camber = more grip but less forgiving in bumps. <b>Very sensitive adjustment for bumpy tracks.</b>                                                                                                                                                                                                                                                 |
|                  | Steering Rack Position         | Fwd                                                                                        |                                         |                                                                 |                                                                                     | Usually use FWD position.                                                                                                                                                                                                                                                                                                                               |
|                  | Steering Washers Inner / Outer | - / 2 mm<br>(Black ballstud inner)                                                         |                                         |                                                                 |                                                                                     | More washers = more forgiving in bumpy corners.                                                                                                                                                                                                                                                                                                         |
|                  | Axle Height                    | Middle (Hex)                                                                               |                                         |                                                                 |                                                                                     | Usually leave in middle position (if using hex conversion, middle position only option).                                                                                                                                                                                                                                                                |
|                  | Caster / Steering Block        | 30 deg / Trailing                                                                          |                                         |                                                                 |                                                                                     | Usually use 30 deg / trail (if using hex, trail only option). In-line steering is very aggressive.                                                                                                                                                                                                                                                      |
|                  | Toe In / Out                   | 1 deg Out                                                                                  |                                         |                                                                 |                                                                                     | Increase toe-out for better rotation in hairpins.                                                                                                                                                                                                                                                                                                       |
|                  | Ride Height                    | 24mm                                                                                       |                                         | 23mm                                                            |                                                                                     | 24mm used most of the time. Higher ride height = more traction on slippery surface, but more chance of traction roll on grippy surface.                                                                                                                                                                                                                 |
|                  | Spring                         | AE BB Green                                                                                | AE BB Black                             | AE BB White                                                     | AE BB Black if very bumpy                                                           | AE BB Green most of the time. Increasing front spring rate will smooth out steering on grippy surfaces.                                                                                                                                                                                                                                                 |
|                  | Oil / Piston                   | 37.5 / 1.7mm<br>(35 / 3hx1.4 option)                                                       |                                         | 40 / 1.7                                                        | 40 / 1.7 Tapered                                                                    | Very rarely change unless track very grippy / flowing. Lighter oil = more aggressive steering, heavier oil = smoother.                                                                                                                                                                                                                                  |
| REAR SUSPENSION  | Limiters                       | 2 x 0.03"                                                                                  |                                         | 3 x 0.03"                                                       | 1 x 0.03"                                                                           | <b>Very sensitive adjustment.</b> More washers (less droop) decreases chassis roll, makes more stable on corner exit. Too many washers limits traction in bumps.                                                                                                                                                                                        |
|                  | Rebound                        | ~1mm                                                                                       |                                         |                                                                 |                                                                                     | Generally build BB shocks with no rebound.                                                                                                                                                                                                                                                                                                              |
|                  | Shock Mount Top / Bottom       | Inner / Inner                                                                              |                                         |                                                                 |                                                                                     | Very rarely change. Moving out on tower will give less rear side bite.                                                                                                                                                                                                                                                                                  |
|                  | Camber Link Inner / Hub        | Inner / 2nd hole<br>(A hub)                                                                |                                         |                                                                 |                                                                                     | Very rarely change. Longer link will give more rear traction but less forgiving breakaway.                                                                                                                                                                                                                                                              |
|                  | Washers Inner                  | 2mm                                                                                        |                                         |                                                                 |                                                                                     | Very rarely change. Less washers gives more steering on power.                                                                                                                                                                                                                                                                                          |
|                  | Camber                         | -0.5 deg                                                                                   | 0 deg                                   |                                                                 | -2deg                                                                               | Less camber = more grip but less forgiving in bumps. <b>Very sensitive adjustment for bumpy tracks.</b>                                                                                                                                                                                                                                                 |
|                  | Anti-Squat                     | 2 deg                                                                                      |                                         |                                                                 |                                                                                     | Rarely change. More anti-squat = more forward traction and higher jumping. Less anti-squat = more side bite and better acceleration in bumps.                                                                                                                                                                                                           |
|                  | Toe In (Inner / Outer)         | 3 deg / 0 deg                                                                              | 3deg / 0.5deg                           |                                                                 |                                                                                     | Add toe-in for very slippery conditions.                                                                                                                                                                                                                                                                                                                |
|                  | WheelBase                      | Med                                                                                        | Short                                   |                                                                 | Long                                                                                | Shorter wheelbase = more weight on rear. Longer wheelbase = less weight on rear (see battery position below).                                                                                                                                                                                                                                           |
|                  | Anti-Roll Bar                  | -                                                                                          |                                         |                                                                 |                                                                                     | Very rarely use in Australia.                                                                                                                                                                                                                                                                                                                           |
|                  | Ride Height                    | 24mm                                                                                       |                                         | 23mm                                                            |                                                                                     | 24mm used most of the time. Higher ride height = more traction on slippery surface, but more chance of traction roll on grippy surface.                                                                                                                                                                                                                 |
|                  | Spring                         | AE BB Green                                                                                |                                         | AE BB White                                                     | AE BB Black if very bumpy                                                           | AE BB Green used most of the time. If track grippy, can get excessive body roll which causes unpredictable spinout. Firmer rear spring (AE White) will smooth out cornering but if slippery track will reduce traction.                                                                                                                                 |
| TYRES            | Oil / Piston                   | 32.5 / 1.7<br>(30 / 3hx1.4T option)                                                        | 30 / 1.7                                | 35 / 1.7                                                        | 35 / 1.7 Tapered                                                                    | 32.5 / 1.7 most of the time. If track very rough, use tapered piston.                                                                                                                                                                                                                                                                                   |
|                  | Limiters                       | 2 x 0.03"                                                                                  | 1 x 0.03"                               |                                                                 | No limiters                                                                         | <b>Very sensitive adjustment.</b> More washers (less droop) decreases chassis roll, gives better stability on turn-in / mid corner if grippy. If track bumpy, too many washers reduces traction in bumpy corners.                                                                                                                                       |
| DRIVETRAIN       | Rebound                        | ~1mm                                                                                       |                                         |                                                                 |                                                                                     | Generally build BB shocks with no rebound.                                                                                                                                                                                                                                                                                                              |
|                  | Front                          | See JC Tyre Chart                                                                          | See JC Tyre Chart                       | See JC Tyre Chart<br>(usually Bar Code)                         | See JC Tyre Chart                                                                   | <a href="http://www.rctech.net/forum/10587840-post2.html">http://www.rctech.net/forum/10587840-post2.html</a>                                                                                                                                                                                                                                           |
| ELECTRONICS      | Rear                           | See JC Tyre Chart                                                                          | See JC Tyre Chart                       | See JC Tyre Chart<br>(usually Bar Code)                         | See JC Tyre Chart                                                                   | <a href="http://www.rctech.net/forum/10587840-post2.html">http://www.rctech.net/forum/10587840-post2.html</a>                                                                                                                                                                                                                                           |
|                  | Motor                          | 8.5 Novak Ballistic                                                                        |                                         |                                                                 |                                                                                     | 8.5 used most of the time.                                                                                                                                                                                                                                                                                                                              |
| ELECTRONICS      | Timing / Rotor                 | 30 deg / 12.3mm                                                                            | 20deg                                   | 35deg                                                           | 15deg                                                                               | Increase timing for more power / top end. Reduce timing for less wheelspin / better driveability.                                                                                                                                                                                                                                                       |
|                  | Pinion / Spur                  | 24 / 75                                                                                    |                                         |                                                                 |                                                                                     | Use smallest combination of pinion / spur to bring motor further forward.                                                                                                                                                                                                                                                                               |
| ELECTRONICS      | Ratio                          | 8.125                                                                                      |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
|                  | Driveshafts                    | CVA                                                                                        |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
| ELECTRONICS      | Radio                          | KO EX-1 KiY                                                                                |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
|                  | EPA Brake                      | Just stop wheel lockup in straight line                                                    |                                         |                                                                 |                                                                                     | Tune brake EPA to just stop wheel lockup on straight from high speed. May change from race to race - check on warm up lap.                                                                                                                                                                                                                              |
| ELECTRONICS      | EXPO Steer / Throttle / Brake  | 0 / -15% / 0                                                                               |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
|                  | Receiver                       | KO KR-411 FHSS                                                                             |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
| ELECTRONICS      | Servo                          | KO RSX Response                                                                            |                                         |                                                                 |                                                                                     | Note: RSX servo weight ~70g. Check ballast below.                                                                                                                                                                                                                                                                                                       |
|                  | ESC / Fan                      | Novak Pulse                                                                                |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
| ELECTRONICS      | Firmware                       | X-Drive                                                                                    |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
|                  | Profile / Wire Gauge           | Linear / 12 Ga                                                                             |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
| ELECTRONICS      | Drag Brake Y/N, Initial %      | 18%                                                                                        | 30%                                     | 12%                                                             |                                                                                     | Increase drag brake for more steering on slippery surfaces. Reduce drag brake if track very grippy.                                                                                                                                                                                                                                                     |
|                  | DeadBand % / Min Drive%        | 2% / 0%                                                                                    |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
| ELECTRONICS      | Drive / Brake Frequency (kHz)  | 32kHz / 2.25 kHz                                                                           |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
|                  | Max Brake                      | 75%                                                                                        |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
| ELECTRONICS      | Advance / RPM / Max RPM        | None                                                                                       |                                         | Consider 20deg @ 19-29K RPM (if smooth)                         |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
|                  | Battery Placement              | Thick pad Front, Thin pad rear                                                             | Rear                                    | Front                                                           | Front                                                                               | <b>Makes a massive difference. This affects weight distribution.</b> Leave in the middle for most conditions. For high grip and/or sweeping corners, move to the front. Battery at rear gives more forward traction, more rotation in middle of corner but more understeer on power. For very bumpy tracks, weight forward helps to stop wheelstanding. |
| AERO / CHASSIS   | Battery                        | REEDY LIPO (~300g)                                                                         |                                         |                                                                 |                                                                                     | Use ballast under battery to get weight to 300g.                                                                                                                                                                                                                                                                                                        |
|                  | Body                           | JConcepts Finnisher B4.1                                                                   |                                         |                                                                 |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
| AERO / CHASSIS   | Wing                           | JConcepts 6.5" Hi-Clearance                                                                | JConcepts 7" Hi-Clearance               | Concepts 6.5" Hi-Clearance                                      |                                                                                     |                                                                                                                                                                                                                                                                                                                                                         |
|                  | Wing Lip / Angle               | 1/2" / 6 deg                                                                               |                                         |                                                                 |                                                                                     | Use plastic spacers on top of wing to provide more secure fit.                                                                                                                                                                                                                                                                                          |
| AERO / CHASSIS   | Chassis / Fr & Rr Arms         | +8mm Chassis                                                                               |                                         | Carbon front arms if hot / high grip                            |                                                                                     | Use B4.1 plastic parts most of the time. If high grip / hot weather, carbon front arms help smooth out steering.                                                                                                                                                                                                                                        |
|                  | Ballast                        | AE Ballast weight behind Battery, 5g rear triangle.<br>10g to servo (servo + weight = 70g) | 10g each rear triangle.                 | 10g front bulkhead, additional 10g in front of servo if needed. | 10g front bulkhead, additional 10g in front of servo (as needed to stop wheelstand) | <b>Makes a massive difference. This affects weight distribution.</b> For high grip and/or sweeping corners, add weight. For very slippery conditions, remove front ballast. For very bumpy conditions, tune to minimise wheelstand under power. Note: 10g at the front is similar to moving battery from full rear to full front.                       |

