

## **SR Consumables, What to expect**

We have had a number of people ask about consumables and how this will affect the operating costs. While this will obviously be largely impacted by the tracks where the car is being used, we have prepared this as a basic guide for our customers to get a understanding of what to expect.

### **Routine Maintenance**

Longevity of the car and your on-track experience obviously will be impacted by performing routine maintenance of the car. The key areas here are the chain driveline, coolant system and engine lubricants.

The chain should be lubricated frequently during the day. Running the chain without proper lubricants will reduce the life of the chain and sprockets. The chain should be lubricated with chain wax once for every hour of use. If you do more make sure and clean up any wax that is getting thrown off. The chain should also be cleaned on a regular basis after each event. The chain tension should also be checked and adjusted as needed as running an improperly adjusted chain also reduces component life. While chain and sprocket life will be dependent on your usage you should expect 25-50 hrs from a chain and sprocket set. Some will get significantly more. USE **ONLY** RUSH 530 or RK 530 ZXW chain!

The coolant system should be filled completely with water and Water Wetter before each session. If temperature reach 250F GET OFF the throttle and get into the pits. If coming in hot let the car idle to cool down before shutting the car down. Do not use coolant as a spill on track would be a bad thing! DI water is preferred but the system should be drained and replenished once a month to stop calcium build up and prevent bacterial growth. Drain the system any time freezing conditions are possible.

The engine oil levels should be checked regularly while at the track. Only use recommended Synthetic oils. An Oil Change is absolutely the cheapest thing you can do to extend engine life. Remember the gearbox and engine use the same oil system. While we recommend every 10hrs of operation we personally do it after every weekend event! Be kind to your engine and you should expect around 150hrs of track use before a rebuild is necessary.

### **Nut and Bolting your car**

Your car should be Nut and Bolted BEFORE every event, it that old 5 P's saying... The best time to do this is when cleaning the car, the wheels and body clips should be removed and the chassis and suspension components cleaned, putting your hands on stuff while cleaning is the fastest way to find something that's going wrong! All major fasteners should be checked for correct seating while doing so. Not only will this help ensure the car is ready for the track but helps ensure your safety.

### **Brake System**

The car uses 274mm custom rotors with billet 4 pot calipers equipped with Lotus Elise/Exige front pads all round. The car is shipped with R1 Concepts competition pads. These are a relatively hard, endurance style pad that retail at under \$80 / axle. These pads perform well and will last 50 + hours of track use. The rotors should

be double that! That said there are a large selection of competition pads available that will allow you to get the pedal feel you want. Due to the overdesign in the brake system pad selection will not yield a higher performance but will change initial bite, progression etc. That said you can spend what you want on pads, Pagid have some you can buy for \$250 / axle. However, running our spec pad expect around 50 hrs from a set of pads and 100 from the rotors.

### **Suspension Bushings**

The suspension uses ball end bearings and solid Delrin bushings. Expect to replace them every 100hrs. Less if you don't ever lubricate them or put the car up wet!

### **Tires**

The spec tire is the Nankang AR-1 Semi Slick. Depending on track surface you should get 4-6 days from a set. That's 4 days where they are competitive the rest is obviously going be at reduced grip beyond about 12 heat cycles.

### **So what are the costs:**

Tires \$696 / set / 15 hrs	:	\$ 46.40 /hr
Oil Changes \$40 / 10 hrs	:	\$ 4.00 /hr
Chain Wax \$14 / 20 hrs	:	\$ 0.70/hr
Brake pads \$160 / 50 hrs	:	\$ 3.20 /hr
Brake Rotors \$ 540 / 100 hrs	:	\$ 5.40 /hr
Chain & Sprockets \$250 /50hrs	:	\$ 5.00 / hr
Suspension Bushings & Bearings \$400 / 100hrs	:	\$ 4.00 / hr
Fuel 93 Pump Gas 7 x 3.00 / gal	:	\$ 21.00 /hr
<b>Total Running cost Est</b>	:	<b>\$ 89.70 / hr</b>