



SpeedQuest Karting Check List

The following list is things you should consider buying to supplement your Rotax kart. Most of these items you will **NEED** every single race day. Some of these items you can do without in most situations. But invariably one day (sooner than you think) you will probably be faced with a problem where not having one of these items or access to them means you don't get to race.

1. Rotax Passport for your motor. At R Max Challenge Events you **CANNOT** compete without it...
2. Rotax License. You **CANNOT** compete without it...
3. Full set of tools, cable ties, safety wire and pliers and heavy duty vise.
4. Spark Plugs - NGK BR??EG or Nippondenso IW?? Plugs are the **ONLY** plugs you can run. Other plugs will get you DQ'd. Stock up now...
5. Gasoline Container – You want a container that will keep the impurities out and be comfortable to pour and mix.
6. Oil – 2 Cycle synthetic oil. **NO CASTOR**. It gums things up and the manual says don't use it!
7. Ratio Rite – This handy measuring device allows you to mix your oil with precision.
8. Air Compressor or Air tank and a good Air pressure gauge – Tire pressures are critical and you need enough compressed air to make those adjustments regularly.
9. Wheels – full set. This becomes important if you damage a wheel, or if you have to rush to switch tires in a hurry.
10. Tires - Rain Tires. It rained in Las Vegas at the Nationals in 2002, enough said...
11. Tire Bead Breaker – You don't **NEED** this, but try breaking beads on tires without it.
12. 219 Chains & Chain lube – You can never have enough chains...
13. Chain Breaker – To adjust chain size.
14. Rear Sprockets – Sizes from 65T to 93T. You need to figure out what tracks you will be running and the gear ratio that you will run at each track. As a general rule you should always have at least (2) of each sprocket you use regularly
15. Front Sprockets – Depending on the track and configuration, you almost always need a 12T and 13T front sprocket. For Long Track racing 15T and 16T sprockets are available.
16. Clutch Tool – This will allow you to change between different front sprockets.
17. Brake Parts – Brake line, brake fittings, brake fluid, brake bleeder and brake pads. Many brake pads are compatible from chassis to chassis, but some are not. It's always a good idea to have at least one spare set that you are certain will fit.
18. Spare Motor – This is an expensive one obviously, but it can also help diagnose when parts are bad on your primary motor. It's much easier to switch out a carburetor (or other part) and solve the problem than to have to completely disassemble that part and not be sure if that was the problem to begin with.
19. Spare Battery – You should always have a **FULLY** charged spare battery.
20. A/C Adapter - allows you to charge batteries while off of the kart. This works great for generators, and hotel rooms. SpeedQuest has these in stock.
21. Main Jets – You should have a full set of Main Jets in your toolbox at **ALL** times. SpeedQuest has in stock down to 145 Main Jets. Call us and we will give you an idea of what sizes you should have based on your altitude, temperature, etc.
22. Lead Weights – You never know when you will lose 5lbs. as a race driver.
23. Muffler packing - repacking your pipe is probably the single biggest Horsepower loss/gain that you can experience. It's a cheap easy replacement and can make BIG differences.
24. Spare Axle, Hubs, Front End Parts – not having any one of these things at the track can end your day prematurely.
25. Spare bolts, nuts and keys – You should try and keep an assortment of bolts and nuts that would allow you to replace any bolt or nut on the kart at any given time. Keeping a spare set of axle keys would be a good idea as well.