

8. *What type of tire is required?*

For asphalt racing, our club is using rubber tire. The cost is \$40 for a set of 4.

For carpet, our club uses foam tires from companies such as JACO or PARMA.

9. *What are the types of car bodies?*

Car bodies are purchased clear and require painting. This is another great aspect of our hobby as a racer may personalize his car with a unique paint design. As for body types, there are many types, including trucks, so enjoy! The best companies are Protoform, PARMA, HPI.

10. *What about tools?*

The tools required are allen wrenches and nut drivers. If you purchase the Losi or Associated cars, its standard (SAE), all other cars are metric.

You also should have a good soldering iron to solder motor wires and batteries.

You will also find a good toolbox/parts box is essential.

We hope this brochure helped you. Feel free to ask any of our club members any additional questions.

And to all, RC racing is great fun! Members learn about their cars, how to make adjustments, and develop driving skills. While racing there is a focus and a feeling of excitement. So come out and join in! We hope to see you at the track!

For Additional Information

RC Magazines

Xtreme RC Car
RC Car
Radio Control Car Action
RC Driver

Websites

Club and Forum sites:

www.sarcarclub.com

www.rctech.net

Web Stores:

www.stormerhobbies.com

www.towerhobbies.com

www.horizonhobby.com

Local Hobbyshop

Hobbyworld

SARCAR
Saskatoon Association
of Radio Control
Auto Racers Inc.

Frequently Asked Questions (FAQ)



SARCAR

Box 1403
Saskatoon, SK S7K 3P7
www.sarcarclub.com
Email: info@sarcarclub.com

Come Join the Fun!

www.sarcarclub.com

Welcome to SARCAR, Saskatoon Association of Radio Control Auto Racers. We are a nonprofit organization with the objective of racing radio control (RC) vehicles both indoors and outdoors in a friendly family environment.

We primarily race electric RC cars on carpet and asphalt. For new racers, our club has a novice class to help develop driving skills and learn about their RC vehicle.

This information brochure is to provide answers to the most commonly asked questions. If you have any other questions, please ask any of our members as they are always willing to share their knowledge.

For our race schedules and membership information please visit our website at: www.sarcclub.com

We also have a discussion forum where you can ask other questions. Follow the link via our website.

Come out and have some fun! See you at the track.

1. What are all the required items?

To race an electric on-road car, you will need:

- RC Car
- Electronics (servo, speed control, radio, receiver)
- Batteries
- Charger
- Motors
- Tires
- Spare parts
- Tools

2. Are there different On-Road RC Cars?

Yes. The RC cars are raced based on scale, class, and driver skill level. There are 1/18th scale micros, 1/12 scale pan cars, and 1/10 scale touring car (TC). We primarily race the 1/10 scale TCs. The TC are 4wd cars and can be sold as:

- a ready to run (rtr) package (cost approx \$320). The car is prebuilt including electronics, but does not include batteries or a charger; or
- as a pro kit (cost approx \$400-500), which you have to build, no electronics, or radio is provided. These kits are usually made with more exotic materials such as carbon fibre.

The most common TC cars we run in our club are the Team Losi JRXS (www.teamlosi.com) or Team Xray T2 (www.teamxray.com)

3. How fast do they go?

The speeds can range from 20-60 mph depending on the type of motor. The base motor is a Stock motor, which is a great motor to start racing. If you want more speed there are modified motors with a wide range of power. The price for a stock motor is around \$35-\$40, while mod motors are \$70 plus.

4. Are the RC cars repairable?

Yes. All parts can be purchased separately. So if a racer does break anything on the car, the parts are fully replaceable. Part costs are about \$5 to \$10 or so per piece. Breakage is reduced as the racer improves driving skills.

5. What type of batteries?

We use 6 cell sub C (around the size of a C cell) rechargeable NiMH batteries. These batteries can be reused many many times. The current standard capacity is 4600 mA. There are two main manufacturers: EnerG and IB.

There are also two types:

- Unmatched (cost is \$40-50 each) where cells are put together as stick packs; or
- Matched (cost is \$80 each) where the cells are matched on voltage and runtime. These cells provide the fastest speeds.

6. What are the Electronics?

- *Servos* – steer the car. The cost ranges from \$25 for a standard servo to \$140 for high speed digital servo.
- *Speed Controls (ESC)* – these run the car and are classified as sport (\$50-\$100) which usually have reverse and can run very mild mod motors; and pro (up to \$190) they have no reverse, but can run any mod motor. Popular companies are Novak (www.teamnovak.com) or Tekin (www.teamtekin.com)
- *Radio and Receiver* – again there are sport models (\$70-\$150) and pro versions (up to \$500). Common companies are Futaba, Hitec and Airtronics. There are three bands, AM, FM, and DSM.

7. What about the charger?

Chargers can also range in price (\$50-\$200). Just ensure it's a peak charger (automatically shuts off once battery is charged). One of the better chargers is the Duratrax ICE (\$140). Usually the chargers are DC powered, so a car battery is all that is required. If you want to use AC power, you may need to purchase a 12v power supply.