

**THANK YOU FOR BEING A PART OF THE BIRDS!**

All of us from Thunder Racing are excited and proud to bring you the 18th annual Snowbirds. We are all here to have a great race and a fun time - win or lose! If you need any help or have any questions at all please ask any of the Thunder Racing staff members. We are here for you! Good luck and have fun racing at the 'birds!



The Snowbirds are not sanctioned. All decisions will be made by race director. We use simple 'common sense' rules and decisions. Details of event/rules can change. #1 rule is to have fun.

**Registration / Check-in** All racers please check-in before you practice. Check in begins Monday night at 6pm in the registration area near the winner's circle (glass doors by track). It will continue Tue, Wed, and Thu in the registration area at 8am. You'll be able to purchase hand-out tires, get souvenirs, raffle tickets, etc. We also will be taking registration here. Payment for 'Cracker Room' and other pit areas need to be handled the same day you setup your pits. **Pits open Mon 4pm-11pm then resume at 5am Tues.**

**Practice Information** There will be exact practice schedules available at the race, in the hotel lobby and track area. A lot of the practice will be controlled. Class divisions will run together and for a fixed amount of time. Once that practice run is over the announcer will stop practice and the next group of racers will run. Wednesday there will be one practice by heats for road and oval. You will practice with the actual drivers that are in your first heat race. Practice run #3 is heat #3, etc. You will have to check the heat board in the track area to see what practice number you are in. After you run in the practice heats you must marshal the next race. There will also be some open uncontrolled practice times. This will be for all cars and classes, and will sometimes be for short 1-2 min runs. **Note:** Racers must run legal equipment in practice (no 17.5 in 13.5, etc). You can't run in wrong practice times. Go to back of line to run again (no cutting). **Note:** Please set cars on the ends/corners of track and not on the straightaways. We see too many cars get set down on the straightaways only to get hit by another car at full speed destroying both cars in the process.

**Post-Race Super Bowl Party** Sunday night at the hotel grill and bar. Food/drink specials for the Super Bowl. Everyone welcome. Make sure you have some fun on your last night at the Snowbirds.

**Worldgate Resort** We can not do any special favors or requests as far as getting rooms, moving rooms, etc. Packages sent to the hotel must be addressed the way shown here (to left). Identification is needed to pick up your boxes. **Note:** You're responsible for your rooms and the hotel, and will be charged for any damages. Please show respect to the new hotel owners. Thank you!  
**Worldgate Phone Number: 407-396-1400**

**Pitting Information**  
**Hotel Rooms** - Many racers pit in their rooms. The hotel has a great table in the rooms. Please have a pit towel with you. Hotel can provide a table for \$20 for week (ask front desk). No tire truing in rooms. There will be an area for truing tires near the conference center main entrance. Do not spray motor spray on carpet or put tape on the walls.  
**Parking Lot** - Plenty of room for trailers. Must use own power (not hotels). Don't park close to rooms if using a generator.  
**Conference Area** - The 'Cracker Room' is sold out. We have a new 1st come 1st serve area this year. Take ticket that is on table to check-in to pay and then make yourself at home. Pits cost \$25 for the week. There will be 2 paid racers per 6 foot table. Cover pits with a sheet if you wish (added security). **PITS OPEN 4pm-11pm Monday then 5am Tues.**

**Souvenir's for Sale / Raffle**  
Snowbird shirts, hats & more on sale! Make sure to get a souvenir starting Tuesday in the check-in area! There will be a large race raffle. Tickets will be drawn Sunday after on-road awards. Each racer gets a free ticket at check-in. You can purchase more. You don't have to be present to win prizes.

**Car Specifics** (Note: cars will be weighed w/ transponders)  
**ROAD WEIGHT:**  
Touring: 1380 grams  
1/12th GTP: 730 grams  
World GT: 930 grams  
USVTA: 1550 grams  
**OVAL WEIGHT:**  
1S Classes: 36 ozs  
1/12th: 30 ozs  
SK: 33 ozs  
Legends Road/Oval: 34 ozs  
**RIDE HEIGHT:** will be checked going out and randomly coming back. Your body can't drag the track. Needs to clear ride height gauges.  
1/12th GTP, 1/12th Oval, and SK classes: 3mm  
Touring Car, World GT, Legends, and 1/10th Oval Classes: 4mm  
USVTA: 5mm

**Wing Rules** (Note: lexan wing mounts are legal for oval)  
1/10th Oval: Max width=8" Side Dam max length=3.75"  
Side Dam max height=2" Chord max=3"  
1/12th Oval: Max width=7" Side Dam max length=3.75"  
Side Dam max height=2" Chord max=3"  
**Oval Trucks:** No wings, spoilers allowed: 2" max, no dams on spoiler.  
**Touring On-Road:** Wing chord no higher than roofline. Wing no wider than car body, Standard dams / mounting position.  
**GTP On-Road:** No separate wings. Standard GTP bodies.

**Body Rules** (Note: bodies must be available to public)  
**On-Road Touring:** Industry standard Roar 'GBS' body rules, No special lightweight bodies, 130mm min roof height on 20mm blocks.  
**World GT:** GTs: Corvette, Sophia, Db9, Ferrari. 104mm roof height.  
1/12th GTP: GTP style bodies. (no body height rule).  
**Stock Car:** 4 1/4" roof height. Back of body left in. 1.5" spoiler max.  
**Sportsman Trucks:** 4 3/8" roof height. Back of body left in.  
**Outlaw Trucks:** No body height rule. Can cut back of body out.  
**Stock Spec COT:** Tour body rules. 1/8" minimum splitter height. 4 3/8" roof height / 2 1/2" front hood height. Back of body left in.  
**SK:** Using SK Kar rules on bodies. Nerf bars ok. Air cleaners ok.

**Motor Rules** Motors in spec classes (17.5, 13.5, etc) can not be 'modified' externally or internally from factory. Normal bearing changes, rotor replacement, etc is legal. Timing adjustments are legal (as limited by manufacture design). By no modification, we mean physical and deliberate changes to the motor from what it was designed for (no timing / can modifications, wire alterations, solder tampering, stack shortening, etc.). The spirit of the class is to be spec out of the box. Motors must have been available for sale to the public before race. We will have inductance / resistance minimums and set ranges for motors. Tuning rotors are only legal if approved by Roar on their site. These are brand specific. These rotors are still spec and are not considered mod rotors (in relation to their size). Motor cooling is not legal (no freeze spray) - must be +/- 5 degrees to race. OEM Lightened Revtech / Novak cans legal (not in Sportsman Truck or Stock Spec oval). Cobalt rotors not legal. Single fan / heatsinks are ok. Novak purple rings can be removed. Spec motors need to be Roar approved on their site. Mod is basic Roar/fmar motor rules.

**Motor Pre-TECH** Motors need to be pre-teched. Pre-tech starts on Wednesday at 10am. Motors will be sealed once they past inspection. If you need to open motor it needs to come back to tech to be rechecked and resealed. If motors pass our initial resistance check they will be marked. If the are low they will be opened to check inductance and look for motor tampering (not legal). Motors need to be at our tech table/room temperature for testing.

**Batteries** LiPo users are responsible for their actions. It is recommended to follow all safety warnings (including the use of a LiPo sack). You are responsible for damages by your actions with LiPos (any misuse or unsafe charging/discharging). We will allow a racer to decrease voltage at tech if very close (it will be our judgment).  
**OVAL Rules:** 4.22 max and +/-5 degrees ambient to race.  
Only approved packs on Roar's list as of 10/01/11 legal to race.  
Open Modified is any pack that was Roar legal by 01/20/12.  
**ROAD Rules:** 4.25 1S / 8.50 2S max and 100 degree max to race.  
Any pack that was Roar legal by 01/20/12 legal to race  
**NOTE:** Just having a Roar sticker doesn't make it legal.

**Speed Controls** Classes that have a non-timing rule must use listed Roar speedo profiles and software versions. Cars need to be ON entering tech. Fast cars will be checked in post-tech. Timing in your motor is legal. Oval classes use TOUR rules (speedos / software must have been available 30 days before event). Oval Pro Mod is any speedo. SK Car speedos/software available on Oct 1st.

**Spec Tires** Spec hand-out tires (World GT and Touring Rubber) must be bought from us. You can get these at check-in. You can use own tires for practice. More details in tech/racer check-in

**Transponders** We're not responsible if counter falls out/fails. Transponder is the final word with scoring questions.

**All Racecars Must go Through Tech**  
You **must go through tech** before each race. As in prior years, we will post-tech the fastest car from each race. All TQ cars each round get tore down. Drivers must report to tech to help tear their car down. We have a great tech crew and have seen it all. Don't try and bend the rules! Cheating won't be tolerated! After your race, leave your car and radio on the drivers stand table trackside and turn marshal.

**Legal Tire Traction** EPIC Sticky Fingers, Jack the Gripper, SXT, and Muddslide Carpet Muncher are only ones legal.

**Coverage** Greg Rojna from RCActionPics.com will be taking race pics! Greg Sharpe will be doing trackside reports for the web! We are streaming LIVE on Livestream for free. Links on our web site!

The last few years have went great at the 'Hot Rod Hotel'. We will not tolerate anyone disrupting the race weekend or causing problems at the hotel. Please be careful of your personal items and keep your eye out for theft. Keep doors locked, etc. Please note that we can not be liable for lost or stolen goods during the event.

Oval	Speed Week	Road	Time is Short
Pit Setup: 4pm-11pm Check-in: 6pm-11pm	Mon 01/30	Pit Setup: 4pm-11pm Check-in: 6pm-11pm	Please be ready in tech at least 2 races before your race. We have to start the race if you are not here, sorry. We do allow minute graces.
Practice: 4pm-1am	Tue 01/31	Practice: 5am-3pm	
Drivers Meeting: 3:30pm Practice: 4pm-1am	Wed 02/01	Practice: 5am-3pm Drivers Meeting: 3:30pm	<b>TV Broadcast</b> Tune to Channel 5 in your hotel room to see/hear the race action from the ballroom. Hotel has free Internet. Tune into race site for a live chat room!
Practice: 6pm-8pm 1st Heat: 8pm-1am	Thu 02/02	Practice: 5am-7am 1st Heat: 7am-12pm resort 2nd Heat: 12pm-5pm	
Practice: 1pm-3pm 2nd Heat: 3pm-8pm resort 3rd Heat: 8pm-1am	Fri 02/03	Practice: 5am-7am 3rd Heat: 7am-12pm	<b>Sunday Awards</b> Right after the road mains Sunday and right after the oval mains Sunday, we hand out A-main awards in the winner's circle. Be there for the magazines and website pics! Please be here in the Winners Circle for awards! Lower main awards are available in tech right after your race. You are welcome to have your pic with the girls Sunday!
Practice: 2pm-4pm 4th Heat: 4pm-9pm B-main events: 9pm Figure 8: 10pm	Sat 02/04	Practice: 5am-7am 4th Heat: 7am-12pm B-main events: 12pm Figure 8: 10pm	
Practice 12pm-2pm Mains: 2pm-6pm	Sun 02/05	Practice: 5am-7am Mains: 7am-12pm	

**Oval \*Estimated times Road**

**Concourse Event** Road/Oval grouped together. 3 categories: Best Looking, Most Authentic, Miss Snowbirds 'HOT' pick. Prizes by Parma. Concourse is Sun. at 11am in Winners Circle. FREE to enter!

**Schedule, Re-Sorts, Bump-ups, more** There are four qualifiers. We are doing a resort after each round. This is a new race lineup based on racers fastest time. Please check the sheet as you will be in a different race number each round. Your best one qualifier is used to set the mains. Saturday is "Bump N' Run" day, where the B-mains race and the winner will bump into the A. Soon as a class is done we will print the top standings for that class, 1st-9th are locked in the A's, 10th-19th are racing the B's. Road B's run after the last heat of road quals on Sat, and oval B's after the last heat of oval quals on Sat. We have the famous BQ award to the 10th place qualifier. The bump-up winners gets the 1st place award! Sunday we have a unique schedule where we run lower mains first, then A-mains and C-mains together (A, C, A, C, etc).

**Clean RC Driving** One of the biggest problems at large races is clean driving. Everyone must remember they are racing on their own clock in qualifying. Please let faster cars go and especially the leader go when they are behind you. Slower cars need to move out of the groove to allow faster cars to pass. Doing this will only cost a tenth of a second. Not doing this may end up with a wreck costing several seconds, broken cars, and a wasted qualifier. Please be respectful to your fellow racers. Intentional/rough driving will not be tolerated. **Race the way you want to be raced - thank you racers! Don't put yourself in a position that forces us to make a call you may or may not like.**

**LEGENDS, SK CAR, USVTA USING THEIR PUBLISHED RULES.**  
**NO ADMITTANCE IN THE BALLROOM SUNDAY OR MONDAY UNTIL 4PM**  
**WWW.SNOWBIRDNATIONALS.COM**