



2019 & 2020 NORA ONROAD RC RACE SEASON

Located @ The Skagit County Fairgrounds – 479 West Taylor Street, Mt. Vernon, WA 98273

**** Doors Open @ 9am. Last call for Registration @ 10:45am. Racing @ 11:30am ****

NORA OnRoad Racing Schedule

- Best 8 out of 11 Race Points Series -

Work Parties:

9/28 Saturday Work Party - F Building
10/3 – 10/6 Track Build: Sub Floor and Carpet

October:

10/12, Saturday, On-Road Warm Up (Non Points)
10/26, Saturday, On-Road Points Series Race #1

November:

11/16, Saturday, On-Road Points Series Race #2
11/17 Sunday, **SCALE SPEC-VTA 4.5 HR ENDURO**
< ENDURO is a Non Points Race Event >
11/30, Saturday, On-Road Points Series Race #3

December:

12/14, Saturday, On-Road Points Series Race #4
12/28, Saturday, On-Road Points Series Race #5

January:

1/4 Saturday, On-Road Points Series Race #6
1/18 Saturday, On-Road Points Series Race #7
1/19 Sunday, **NORA F1 CHAMPIONSHIPS**

February:

2/1, Saturday, On-Road Points Series Race #8
2/15, Saturday, On-Road Points Series Race #9
2/29, Saturday, On-Road Points Series Race #10
< Season Finally and Awards >

On-Road Classes:

NOVICE
EURO TRUCK GT (TCS)
GT PRO SPEC (TCS)
25.5 USGT TOURING
21.5 STOCK TOURING
STOCK 1/12
6.5T MODIFIED 1/12
FORMULA 1
MOD TOURING
WGT-R (NORA SPEC)

Race Entry Fees:

NORA CLUB MEMBERS:
\$15 first class + \$5 each added class
Novice Class Member: \$10
NON-MEMBERS:
\$20 first class + \$5 each added class
SENIORS (60+):
\$10 first class + \$5 each added class
KIDS (15 & UNDER): \$5 each class
NORA CLUB ANNUAL MEMBERSHIP:
Basic: \$20 Premium Outdoor: \$35
Family: + \$10 for each dependent

House Rules:

#1 Rule: Have Fun. Always be in control. Be a good Sport.

We are a family oriented club and all are welcome.

LiPo battery voltage:

1S maximum voltage: 4.200v. 2S maximum voltage: 8.400v.
Racers must use LiPo safe Chargers & have LiPo Sacks.

Traction compound:

Compound: SXT 3.0, SXT 3.0 Light, or SXT 3.0 Max (in Original Bottle)
Cleaning: Motor Spray, Simple Green, Water, Foam Tire Cleaner



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Facebook: <https://www.facebook.com/NORACarpetRacers/>

Club Website: <http://www.skagitriverraceway.com>

2019-20 NORA ONROAD RACE INFO & CLASS RULES:

NORA OnRoad Program Details: Doors Open at 9am for practice. There will be a Novice only practice session from 10:30am to 10:45am. Last Call for Registration will be at 10:45am followed by a driver's meeting. Racing begins by 11:30am. **Our track surface:** Black CRC Fast Track II Medium/High Grip Carpet driving surface. We offer Two IFMAR qualifiers, re-sorted between rounds. Rocket round seeding for mains. A-Main and a single bump from the Lower Mains. Maximum number of cars to be locked into the Mains will depend on track layout and the speed and experience of the class. This will be posted at the track on the day of the race (8 cars for Stock Class Mains. Super Stock TC and Mod Classes will run a maximum of 7 cars in the Mains.) All 1/10 scale classes will run 6 minute qualifiers and mains. 1/12 Scale cars will run 8 minutes qualifiers and mains. *(Note: Racing format and race length can be adjusted by race director as needed)*

Race Entry fees: NORA Club Members pay \$15 dollars for the first class with a Club Membership. Each additional class will cost \$5. Non-Members pay \$20 for the first class and each additional class is \$5. Seniors (60+) pay \$10 for the first class and \$5 each additional class. Kids (15 and under) pay \$5 per class. A NORA Base Membership is \$20 for each member, and an additional \$10 for each immediate member in your household *(that is living with you)*.

CODE OF CONDUCT: NORA is a family friendly club venue, and all are welcome. Our #1 rule is to always be in control, be a good sport, and treat others how you wish to be treated. Our Club (NORA) is an Alcohol and Drug free venue. All visitors and members are to refrain from all forms of unacceptable behaviors such as harassment, bullying, discrimination, swearing, threats, violence, unsafe acts, and illegal activities. If you observe anything in violation to NORA's Code of Behavior & Ethics then please bring it to the attention of a NORA Race Director, Official, or Board Member immediately. Violation of NORA's Code of Behavior can result in a series of warnings, suspension, denied of event participation, revoking NORA membership, etc.... So please let's all be good sports, help each other out, and let's have fun racing at NORA.

Corner Marshalling: All racers are required to corner marshal the race immediately following your race. If you are unable to you must arrange to have a suitable racer volunteer to substitute in your place. If you have a physical disability or injury that prevents you from being able to marshal, please discuss this with your race director prior to your first race. In order to prevent from disrupting or delaying the length of our racing events please help us with this policy to keep things running smooth.

Tables, Chairs and Table Protection: You are encouraged to bring table, chairs, a power strip and extension cord. There is power available on site. In the event, you do not have tables or chairs there are a few tables on site that are provided by the club and can be used. Please bring a pit mat or table cover when using a table that is not your own.

LiPo batteries and voltage: ROAR Approved Hard Cased LiPo batteries ONLY. 1s maximum voltage: 4.200v. 2s maximum voltage: 8.400v. Cars that fail prerace tech will be disqualified for that round. This is a zero tolerance policy. The club's voltmeter will be the reference of last resort. ALL Racers Must have LiPo safe chargers and LiPo Sacks.

Traction compounds: SXT 3.0, SXT 3.0 LIGHT, or SXT 3.0 Max *(in original bottle)*. Tires may only be cleaned with the allowed traction compounds, Simple Green, motor spray, water, or an RC Foam Tire cleaner.

Transponders: Personal Transponders are strongly encouraged and recommended. We have a MyLaps RC4 transponder loop. MyLaps 2wire Hybrid, MyLaps RC4 3wire, and AMB personal transponders are all compatible with our system. We do have house transponders available to borrow with deposit or collateral (such as Keys / Driver's license).

Tech for all classes: A self-tech area will be provided for all racers. Here we ask you to check weight, ride height, and battery voltage. Spot checks by the race director or NORA On-Road committee may be performed at any time to ensure conformity with the club's specs and rules. Failed tech will result in voiding the driver's results for that race and the rounds leading up to failing a tech inspection.

Novice: Any 1/10th or 1/12th scale electric chassis. Tamiya 540 silver can or Novak SS Pro 25.5t (PN: 3625V), Ballistic 25.5t (PN: 3425V), and Ballistic Boss VTA Edition (PN: 3626V) brushless motors recommended. ROAR-approved Sportsman ESC recommended for brushless motors. Maximum 6-cell NiMH or NiCd batteries or maximum 7.4v 2S lithium technology batteries. Lithium technology batteries must be in hard case.

25.5 USGT Touring: 1/10th scale electric chassis. 5mm minimum ride height. Tamiya 540 silver can motor; Novak SS Pro 25.5t (PN: 3425V), Ballistic 25.5t (PN: 3625V), and Ballistic Boss VTA Edition (PN: 3626V) brushless motors; any ROAR-approved 25.5t motor. 12.3mm rotors only. No restriction on end bell timing. ROAR-approved Non-Timing ESC for brushless motors. Protoform or HPI Vintage D Compound or Gravity RC USGT pre-mount tires. Realistic, scale bodies must be run on all chassis. VTA bodies may run included rear-deck spoilers. GT and USGT bodies may run included wings, or option wing sets that emphasize scale appearance. No GT2 (Mazda like) Bodies will be allowed in Scale Spec. Maximum 6-cell NiMH or NiCd batteries or maximum 7.4v 2S lithium technology batteries. Lithium technology batteries must be in hard case. Scale Spec 4wd = 1380g minimum weight (*or FWD only cars = No Minimum weight*)

21.5 Stock Touring: 1/10th scale 4wd touring chassis. 1350g minimum weight (ROAR rule update effective: 10/01/2016). 5mm minimum ride height. ROAR-approved 21.5t brushless motors*. ROAR-approved Non-Timing ESC. Team Powers 30 pre-mount spec tire. ROAR-approved touring car bodies. Maximum 6-cell NiMH or NiCd batteries or maximum 7.4v 2S lithium technology batteries. Batteries must be on ROAR-approved list. Jaco Blue pre-mounted tires on Prism wheels will be the spec tire.

Modified Touring: 1/10th scale 4wd touring chassis. 1350g minimum weight. 5mm minimum ride height. Any wind ROAR-approved brushless motors. ROAR-approved ESC (Boost & Timing Allowed). Team Powers 30 pre-mount spec tire. ROAR-approved touring car bodies. Maximum 6-cell NiMH or NiCd batteries or maximum 7.4v 2S lithium technology batteries. Batteries must be on ROAR-approved list. Jaco Blue pre-mounted tires on Prism wheels will be the spec tire.

EURO TRUCK GT (TCS Rules): This is a pure box stock class open to any skill level or hobbyist. Legal kits: Item 58632 RC Team Hahn Racing MAN TGS (TT-01 type E chassis) & Item 58642 RC Team Reinert Racing MAN TGS (TT-01 type E chassis). The kit must be built exactly per the instruction manual. The ONLY Hop-Op Option permitted is Ball Bearings.) Must use stock pinion and spur gear. The kit Tamiya TBLE-02S ESC and kit supplied motor (item 54358 RS-540 Torque Tuned Motor) must be used. Battery connector may be changed to DEANS. Motor Bullet connectors may not be removed. All body parts must be used. Body may be painted in any scheme. Must use kit tires and wheels. Kit tires may be glued onto wheel. Any grease or lube may be used to lubricate gears or moving parts. Batteries: Reedy Wolf-Pack or Peak Racing Powermax round-case LiPo batteries or ROAR approved 2s Hardcase 6200 Lipo batteries.

WGT-R (NORA SPEC): 1/10th scale pan car chassis (WGT Car). Track Width 200mm. Minimum weight 1025g. 5mm minimum ride height. ROAR-approved 21.5T brushless motors*. ROAR-approved Non-Timing ESC. Spec Tires: Team CRC RT-1 Tires on Team CRC GTR pre-mounted Rims w/ Factory Inserts (Part #'s: 2311 Front, 2312 Rear, or 2314 mounted set). ROAR-approved GT bodies, USVTA or USGT bodies, Street Spec or Scale appearance, (GTP Wedge bodies are not allowed). Batteries: ROAR 7.4v 2s (Shorty) Lithium Hard case LiPo technology. Batteries must be on ROAR-approved list.

Stock 1/12th: 1/12th scale pan car chassis. 730g minimum weight. 3mm minimum ride height. ROAR-approved 17.5t brushless motors. ROAR-approved non-timing ESC. Purple stripe (CRC/BSR/Jaco) or blue stripe (JFT) spec tires. GTP and LMP style bodies. 3.7V 1S low-profile, short, ROAR-approved lithium technology batteries.

Modified 1/12th (6.5T Spec Rules): 1/12th scale pan car chassis. 730g minimum weight. 3mm minimum ride height. ROAR-approved 6.5T brushless motors. ROAR-approved non-timing ESC in Blinky Mode. Purple stripe (CRC/BSR/Jaco) or blue stripe (JFT) spec tires. GTP and LMP style bodies. 3.7V 1S low-profile, short, ROAR-approved lithium technology batteries. CAR MUST HAVE WORKING REAR DIFFERENTIAL. OK TO RUN EITHER A BALL OR GEAR DIFFERENTIAL. NO SPOOL OR LOCKED AXLES.

Formula 1: Any 1/10th scale rear wheel drive electric Formula chassis. 1050g minimum weight. 190 maximum width. 4mm minimum ride height. Tamiya 540 silver can or 21.5T brushless ROAR Approved motor. ROAR-approved Non-Timing ESC in Blinky Mode for brushless motors. F1 scale rubber tires only. Front and rear wings to scale and correct with body. Maximum 6-cell NiMH or NiCd batteries or maximum 7.4v 2s lithium technology batteries. Lithium technology batteries must be in hard case. (Racers to bring their own F1 rubber tires for this event and NORA club & Seattle Area Club rules will be used).

GT PRO SPEC (TCS Rules): The GT PRO Spec Class is for anyone that wants to race head to head with racers of any skill level with budget minded and equally spec'd race cars. **1. Legal chassis platform:** TT-02, TT-02R, TT-02RR kits only. Note: TT-02 Type S kits are not legal for this class nor TT-02 Type S specific Hop-Ups. **2. Any TT-02 Hop-Up Option is legal with the exceptions listed in RED: No aluminum shocks. No carbon shock towers.** **3. Shocks:** The only Hop-Up shock allowed is the Tamiya CVA plastic shock units (item 50746) **4. Springs:** You may only use the kit supplied 5 coil chrome spring, 7 coil chrome spring in the CVA shock unit set, and item 53440 RC On-Road Spring Set (Hard). These springs are blue, red, yellow, and white in the package for easy identification. **5. Spur Gears permitted:** Tamiya TT-02 stock and TT-02 Tamiya speed-tuned spur gears are allowed. TT-02: Stock 70T, Speed-Tuned 68T and 64T **6. Pinion Gears permitted:** Pinion gear ratio options shown in the TT-02 kit and the speed-tuned gear set motor mount chart instruction manuals may be used. Finding ways to exceed the maximum gear ratio shown in the manual charts is not allowed. Maximum gear ratio from the speed tuned gear set: 5.74:1 (64T Spur-29T Pinion) - 11 - **7. Spec tire rules:** Tamiya Type B3 (Warm weather), Type A (Cold weather), and Type C (Carpet Surface) compound tires only. You may use ANY Tamiya 24mm spoke wheels and ANY tire insert is allowed. Note: Tamiya's C-compound tires work the best on carpet. (item 54256) **8. Must use a No BOOST ESC (Electronic Speed Control):** Any ROAR legal and approved ESC capable of "Blinky-Mode" may be used. These ESC's must not use electronic timing (boost). See General Rules for ROAR approved "blinky" ESC list. **9. SPEC Motor rules:** Participants in this class must use the REEDY SONIC FT fixed timing 21.5 motor. Item # 297. **10. Body:** The 2019 GT Pro Spec body choices are: Porsche 911 GT3 Cup VIP 2007 (Item 51336) Mercedes-AMG GT3 (Item 51590) and Ford Mustang GT4 (Kit item 58664-body item 51614) NOTE: The stock wing and mirrors must be used. Hop-Up Option Race wings are not permitted. **11. Wheel hubs:** 4mm, 5mm and 6mm wheel hex hubs only. The TT-02 kits include 9mm plastic hex hubs which are not legal to use. **12. Recommended Hop-Up-Options:** Many Hop-Up Option may be used, but you only really need to consider the following 7: • Ball Bearing set: (item 54476) • Speed Tuned Gear Set: (item 54500) highly recommended • Aluminum motor mount: (item 54558) highly recommended • Plastic Oil-filled dampers: (items 50746-highly recommended, 53619, 50519). • Aluminum Prop-shaft: (item 54501) • TT02 Alum Propeller Joint (item 54502) • Steering Turn Buckle set: (item 53662). • Toe-In Rear-Uprights (TT-02 item 54549/2.5 degree & 54733/3.0 degree) • RC On-Road Spring Set (Hard) (item 53440) Note: The Tamiya TT-02R kit (item 84409 or 47326) comes with all of the above Hop-UpOptions. NEW 47382 TT-02RR Chassis Kit also comes with all the Hop-Up Options you need.