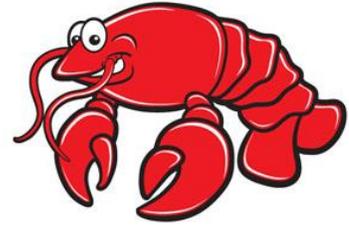




Mountains to the Sea Rally Rockaway Lobster

Sept. 18, 2021

General Information and Road Rally Rules



Welcome to the Cascade Sports Car Club's 56th Mountains to the Sea Road Rally.

This event is conducted in accordance with the most recent version of this document as posted on <http://www.cascadegeargrinders.org/Mountains-to-the-Sea.html> and in compliance with the [Cascade Geargrinders Coronavirus Message](#).

Registration and Check In

Online registration is required. Registration closes midnight Wednesday, Sept. 15.
<http://msreg.com/CSCCM2C2021>

All communication about the rally will occur via email. Watch for emails and respond promptly.

After registering by the Sept. 15 midnight deadline, you'll receive instructions to complete the virtual check-in on Thursday the 16th. You'll need to register your assigned car number in the Competitor Richta app, e-sign the required event insurance waivers, and confirm your team's registration information.

After you've completed these check-in steps, you'll receive the route instructions on Friday. You'll need to print them. Friday evening there will be a Q & A Zoom meeting.

On Saturday morning, leave the start by your assigned out time. Follow the route instructions to the end. Results will be emailed soon after all teams have completed the course.

Competition Classes

Contestants may register to compete in one of four classes. Competitive classes are divided into two categories, defined by the type of equipment allowed:

Unequipped – Stock odometer and stock in-dash navigational display permitted. No calculation equipment allowed. Two classes compete in this category:

- **Novice** – This class is intended for beginners
- **SOP** (Seat of Pants)

Start Location

Dealers Supply parking lot
[2345 NW Nicolai St, Portland, OR 97210](#)

End Location

Rockaway Beach Chamber parking lot
[103 S 1st St, Rockaway Beach, OR 97136](#)

Schedule –

Sept. 15, Wednesday

Registration closes: midnight

Sept. 16, Thursday

Virtual check in

Sept. 17, Friday

Route Instructions distributed
Q & A Zoom meeting: 7 p.m.

Sept. 18, Saturday

First car out: 10:01 am
Lunch: 12:00 pm approx.
Finish: 5:00 pm approx.
Results emailed: by 7 pm approx.

Equipped – Navigational and calculation equipment is permitted as described below in the two classes that compete in this category:

- **GPS** – Distance measurement is provided by a GPS source. The GPS source may connect to a calculation device.
- **Unlimited** – This class is not limited in any way. Any contestant may compete in this class, regardless of equipment in use.

Format

This is a time-speed-distance tour-style road rally. The rally route is about 180 miles and takes about six and a half hours to complete. It is easy to follow the rally route. Route instructions are accompanied by mileage. Speeds are set at or below legal speed limits. Pauses are provided where cross traffic or congestion may occur. There are no uninstructed turns, and no navigational or time-keeping traps.

The rally consists of several regularity sections and a “Lunch With Monte” Monte Carlo section. Each section begins with a CZT (Car Zero Time, time-of-day restart). Each section contains one or more GPS-timed (unmanned) passage controls.

Lunch is on your own in [Newberg](#) (see “Lunch With Monte” below). You’ll find several fast food choices to the right (east) on 99W at NRI 59. There are primitive facilities at Bald Peak State Park at the end of the Lunch With Monte section. There are no facilities after this point until the Shell station at NRI 86.

The ending location is the parking lot at the Rockaway Beach [train landing](#). A public restroom is across the street.

If you want to pick up dinner to go on your way to the ending location, our local fire maker recommends the Portside Bistro in Garibaldi: <https://portsidebistro.com/menu/> You can order ahead and pick up your food during the final transit to the ending location. There are several other restaurant choices in [Garibaldi](#) and [Rockaway Beach](#).

With the first measurable rain in over 50 days expected this weekend, the weather gods could have been kinder. If the weather provides an opportunity, there may be a beach fire to gather around while awaiting results. A rally friend who lives nearby has offered to be our fire maker. If you plan to join in, please bring a piece of firewood.

Even if it rains, it is our plan to email the rally results to all contestants soon after the last car completes the rally course. That email will invite the top three teams in each class to come pick up their award plaque from us at the train landing. We will also invite all teams to come pick up their dash plaques for the rally (two per team). If you choose not to stay at the ending location, please email to let us know so we can arrange to get your plaques to you.

Time

Timing is in hours, minutes and seconds. Time is shown in the route instructions and in the Richta app in 24-hour format. For example, 1:25 pm is shown as 13:25:00. Time displayed on the Rally Clock on your Richta app is official time.

Mileage Measurements

This rally was measured by a 2019 Kia Niro EV using an Alfa-Club odo unit connected to the undriven left rear wheel. The rally route is measured in thousandths of a mile from speed change to speed change.

Odometer Calibration

The rally starts with an odometer calibration zone for the purpose of allowing each contestant’s odometer to be compared to the official odometer. The odometer calibration zone specifies no average speeds, contains no controls, and is followed by a CZT (Car Zero Time, time-of-day restart).

Scoring

The object of a time-speed-distance road rally is to drive the rally route as close to on time as possible, arriving at passage controls having taken the amount of time calculated by the rallymaster (official leg times). Official leg times are calculated to the exact second.

Each leg of the rally is timed and scored independently. Your leg time is calculated from your most recent time-of-day restart to your passage control arrival time or from your previous passage control arrival time to your current passage control arrival time. Your leg time is compared to the official leg time.

Each second that you arrive early or late at a passage control is worth one penalty point. A perfect leg score is zero, arriving exactly on time. The maximum number of penalty points for any one leg is 30. If you are more than half a minute early or late on any leg, your score for that leg is 30.

Your score for the rally is the total of all your leg scores. Lowest score wins!

Passage Controls

Mountains to the Sea uses unmanned passage controls, timed by the Competitor Richta GPS Checkpoints app. The Richta app monitors your car's location using GPS and records your arrival time at each control to a resolution of one second.

Passage controls are indicated in the route instructions. You will know there's a passage control between two NRIs with official mileage, but you won't know precisely where. Passage controls are not usually identified by a traditional checkpoint sign. (Exception: See Lunch With Monte below.)

Moments after you pass the control, your smart device will sound a notification tone and display your arrival time, your leg score, and whether you were early or late. Your arrival time is your start time for the next leg, so do not stop -- continue rallying on time until you reach the next restart point as identified in the route instructions. There are no controls for one mile after each CZT (time-of-day restart).

Lunch With Monte

The "Lunch With Monte" Monte Carlo section begins with a CZT and ends with a passage control. No average speed is specified. You have 75 minutes to travel about 14 miles through Newberg, get lunch, and arrive at the passage control on time. The passage control is identified by official mileage in the route instructions and by a Cascade checkpoint sign alongside the road. The route instructions also include the Car Zero official time at this passage control (PC18). You know where you have to be and you know when you have to be there. The Monte leg is scored as a regular leg, one penalty point for each second early or late, maximum 30 points. The Lunch With Monte ends with an extra 15 minutes at Bald Peak State Park.

Time Allowance

If you are delayed along the rally route for any reason, you may submit a time allowance without any penalty. See the [Richta App Instructions](#) for how to enter a Time Allowance in the Richta App.

Safety

Contestants must obey all traffic laws and drive in a safe manner throughout the event. The penalty for receiving a traffic citation or being observed driving recklessly during the rally is disqualification.

Following the Rally Route

Rally Route

To follow the intended rally route, proceed by taking the following actions in the order listed:

- Execute emergency directions provided by a rally official.
- Execute a numbered route instruction.
- Stay on the principal road.

Numbered Route Instructions (NRIs)

The numbered route instructions contain all the instructions required to complete the rally. No supplemental instructions will be provided during the event. Exception: In case of unanticipated emergency, emergency directions may be provided by a rally official.

Complete the NRIs in ascending numerical order at the indicated official mileage.

In an NRI, text within parentheses (()) is to be considered a helpful comment, not a mandatory action.

Principal Road

The principal road is the obvious continuation through an intersection of the road upon which you are traveling. At some intersections this principal road may be determined by pavement surface continuity, a curve warning sign, the center line on the pavement, the placement of a stop sign or a yield sign, the continuation of multiple lanes in your direction of travel (such as when you are upon a limited access highway), straight as possible, etc. If the principal road is not obvious, a route instruction will be provided.

Rally Roads

A rally road is a public through road. A rally road is paved. Do not consider the following as valid rally roads:

- Roads posted "NO OUTLET", "DEAD END", "ROAD CLOSED", "NO THROUGH TRAFFIC", etc.
- Roads that are visibly barricaded or impassable.
- Roads and cul-de-sacs that visibly dead-end.
- Roads having illegal entry or requiring an illegal turn to enter.
- Unpaved roads.

Intersections

An intersection is any joining of rally roads from which the contestant could legally proceed in more than one direction without U-Turning.

Landmarks

A landmark is a physical object identified by a sign. A landmark is identified in route instructions in upper case (all capital letters) not in quotation marks ("") and is not a term defined in the Glossary.

Official Mileage (OM)

Numbered route instructions are accompanied by official mileage (OM) and must be executed at that mileage. Zero your odometer at the start of the rally and whenever instructed to in the route instructions (e.g., /0.00).

Speed Changes

Speed changes occur at the official mileage (OM) of the numbered route instruction (NRI). (Speed changes that occur at a sign were measured as you pass by and are even with the sign. Speed changes at an intersection were measured as you enter the intersection.)

Signs

A sign is any object on which is written, printed, painted, embossed, inscribed, or otherwise marked words, letters, numbers, and/or symbols. A sign is identified in route instructions in upper case (all capital letters), enclosed in quotation marks (""). When quoted, a sign will be exact with respect to spelling, punctuation, detail, and shape of symbols as close as graphically reasonable.

A sign used as a reference may be on the left, right, or overhead, approximately parallel to your line of travel, approximately facing you, or at any angle in between.

Glossary

The words and abbreviations listed below when used in route instructions have only the following definitions when they appear in upper case (all capital letters) and not in quotation marks (""). All words in route instructions appearing in lower case are understood to mean the common dictionary definition.

CAST – Change average speed to.

CZT – Car Zero Time. Time of day restart. Execute the accompanying route instruction at the Car Zero Time plus your car number in minutes.

L – Left at an intersection.

PAUSE – To pause for a specified time. The PAUSE time is added in the leg time calculations.

PC – Passage control.

R – Right at an intersection.

S – Straight at an intersection.

SIGNAL – An intersection controlled by multi-light traffic signal(s) which may be operating as blinker(s) or may be off.

STOP – An intersection with an official highway stop sign at which the contestant is legally required to stop.

T – An intersection having the shape of the letter T as approached from the base. It is not possible to execute the instruction S at a T.

TC – Time Check. The Richta app displays the time at which you arrived at this non-scored control.

TRANSIT – A part of the rally which specifies no average speeds, contains no controls, and has a specified duration (e.g., 10 minutes).

Y – An intersection in the general shape of the letter Y as approached from the base.

About the Rally

Rallymasters for this event are Monte and Victoria Saager. The rally was pre-checked by Bob Morseburg and Cheri Eddy.