

Feb. 27, 2021 Rally School Rally

Rallymaster Notes to Contestants



This document explains in detail how to interpret and follow the route instructions for the Rally School Rally. Please read this document carefully and completely. It assumes you have reviewed the Cascade Geargrinders [Novice Guide](#) and that you are familiar with Cascade's [Road Rally Rules](#).

Study these Rallymaster Notes and the accompanying Route Instructions. Forward your questions to rally@cascadesportscarclub.org by 5 p.m. Friday. You'll receive an invitation to attend a Friday evening Zoom meeting to hear answers to submitted questions and discuss any remaining questions before Saturday morning's rally start.

About the Rally

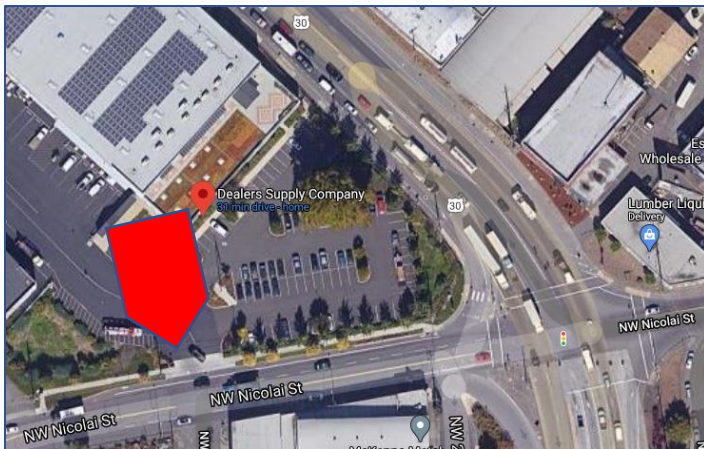
This road rally is about 70 miles from the start in northwest Portland to the ending location in Scappoose. It takes under two and half hours to complete the event. There is no mid-rally break. This is a tour-style rally, meaning it includes no route following challenges (tricks and traps). Just execute the route instructions at the mileages provided, maintain specified average speeds, and pause as noted.

Since the coronavirus pandemic continues, this event requires no human contact outside of your own car. You stay in your car; we'll stay in ours. You are not required to get out of your car during the rally. If you do leave your car, maintain appropriate social distance and wear a mask.

Rally Start

Before the rally, print out these notes and the route instructions. It may also be helpful to print out the [Road Rally Rules](#) (RRR) and the [Richta App Instructions](#). Bring them to the start.

The first car begins the rally at 10:01 a.m., Saturday, Feb. 27, at Dealers Supply, [2345 NW Nicolai St, Portland, OR 97210](#). Plan to arrive at the start a few minutes before your out time.



Do not block the parking lot entrance/exit.

You can wait in the parking lot with other rally cars getting ready to start the rally.

During check-in you will receive car numbers that you can place on your inside rear windows so rally cars can recognize each other.

Your out time is your car number plus 10 a.m. If you are car 5, your out time is 10:05. You may leave the start location before your out time. Leave the start no later than your out time.

The start location is the stop sign at the exit from the Dealers Supply parking lot. That stop sign is where you start the rally by zeroing your trip meter and executing numbered route instruction NRI 1, by going left to exit the parking lot. Then continue executing the NRIs in numerical order.

You're On the Rally Now

The route instructions document has four column headings:

CZT - Car Zero Time. At the indicated time, plus your car number, execute the route instruction on that line. Use the time display on the Competitor Richta app to time yourself.

OM - Official Mileage. At the indicated mileage, execute the route instruction on that line.

NRI - Numbered Route Instruction. Execute the NRIs in numerical order.

Route Instruction - Execute the described action(s).

So, starting with NRI 1 -

CZT OM NRI Route Instruction

10:00:00 0.00 1. L at "STOP". Begin odometer calibration zone.

At the start location (stop sign leaving Dealers Supply parking lot), zero your trip meter. Leave this spot at 10 a.m. plus your car number (10:05 if you are Car 5). Leave by going left (L) at a sign reading stop (said sign pictured above).

Since you are on the odometer calibration zone, no speeds are provided. You just drive safe legal speeds to the next CTZ.

Always be looking ahead at the next route instruction. They can sneak up on you. For example, NRI 2 -

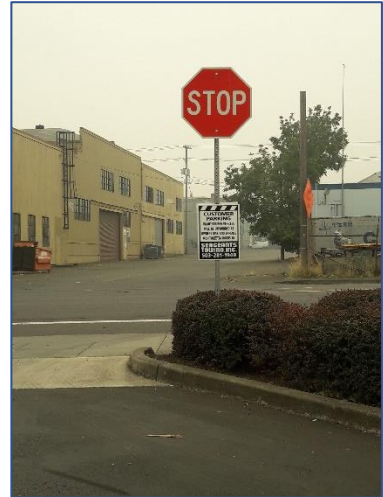
0.07 2. L at SIGNAL.

This instruction occurs just 7/100ths of a mile after the first instruction. Navigator should be reading this one to the driver while executing NRI 1, giving the driver a heads up! Navigator reads this as, "left at signal, comes up quick".

1.25 3. "NW 35TH".

NRI 3 references a sign reading NW 35th at OM 1.25. Observe the sign at that mileage, cross off NRI 3 as completed, and keep going.

NRIs 4 through 7 do the same. See the sign at that mileage. Keep going. These instructions take you north on Hwy 30 toward Sauvie Island.



8.51 8. R at SIGNAL.

At NRI 8 you leave Hwy 30 by going right at the signal to cross the [Sauvie Island Bridge](#).

8.86 9. L on GILLIHAN then stay left.

Soon after crossing the bridge, you take the first left on Gillihan Road and immediately stay left (at a road coming from the right).

8.939 10. End odometer calibration zone at "NO GAS STATION ON ISLAND" then left. Continue left into the parking area. Return to stop sign to depart.

NRI 10 ends the odometer calibration zone (RRR 1.2) at a sign saying no gas station on island. Stop briefly and note your odometer reading (write it down on your instructions next to NRI 10).

You are stopping in the middle of the road, so make it quick. Then go left into the parking area (on the left).

You should have a few minutes here to compare your odometer to official mileage so you'll know how to adjust speed and distance for your odometer.



The odometer calibration zone is usually at least 10 miles. But this is a shorter, practice rally.

NRI 10 also tells you to go to the stop sign exiting the parking lot to get ready for the next route instruction.

10:25:00 /0.00 11. L at "STOP". CAST 40.

NRI 11 has a CZT of 10:25. You want to execute this instruction at 10:25 plus your car number. So if

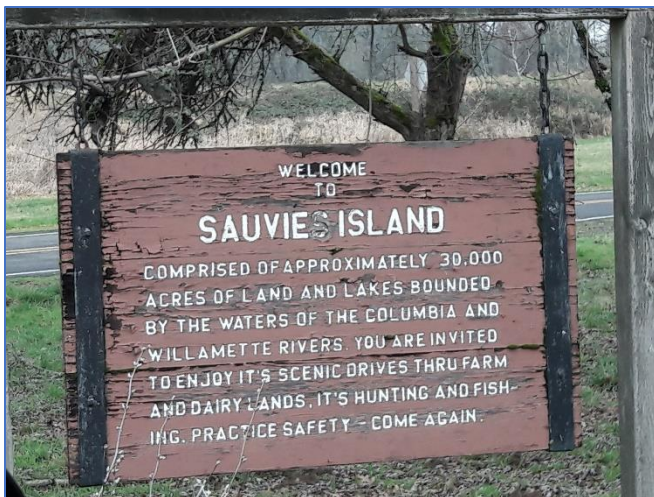
you're Car 5, you do NRI 11 at 10:30. (Don't pull up to the sign until shortly before your out time.)

NRI 11 also has a mileage reset (/0.00), so you need to zero your tripmeter here.

NRI 11 sets a CAST (change average speed to) of 40. That means you should be averaging 40 mph from this point until the next time the CAST is changed (NRI 12 in this case).

Whew! That seems like a lot to do. Let's review. You pull up to the stop sign exiting the parking area, zero your tripmeter, and go left,

leaving this point at your correct out time. You try to average 40 mph.



Passage Controls (RRR 1.3)

As you drive the rally route, you'll encounter unmanned GPS passage controls where the exact time that you pass the timing location will be recorded by the Richta app. The passage control marks the end of a timed section of the event – a leg.

Moments after you pass the control, your smartphone will sound a 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 don't stop - continue rallying on time.

10:25:00 /0.00 11. L at "STOP". CAST 40.

PC3

2.50 12. CAST 45.

Passage controls are indicated in the route instructions between numbered route instructions. For example, **NRI 11** is executed at OM 0.00. Then there's a passage control (PC 3). Followed by **NRI 12** which is executed at OM 2.50. So, you know there's a passage control between OM 0.00 and OM 2.50 but you don't know precisely where.

Scoring (RRR 1.7)

Each leg is scored independently. If you are late on a leg, you can't make it up in the next leg. Being exactly on time is a leg score of zero. Each second you are late or early at each PC is worth one penalty point. Maximum leg score is 60. Total of all legs is your total score. Lowest score wins.

Time Allowance (RRR 1.5)

If you are delayed due to road blockage, slow traffic, getting lost, nature call, or any other reason, do not speed to try to make up the lost time. You may submit a time allowance without any penalty. (See the [Richta app instructions](#) for entering a time allowance.)

Don't worry too much about scores at first. Experience is the best way to tune timekeeping skills.

Leg	In Time	Difference	Score
11	13:49:01	0:00 Late	0
10	13:45:31	0:25 Late	25
9	13:38:08	0:22 Late	22
8	13:28:09	0:29 Late	29
7	13:15:00	Restart	
6	13:05:33	0:13 Late	13
5	13:01:05	0:25 Late	25
4	12:54:31	0:24 Late	24
3	12:46:58	0:18 Early	18
2	12:38:09	0:57 Late	57
1	12:20:00	Restart	

Staying on course

Novice ralliers find most success by focusing on course following, and worrying less about staying on time.

Rally roads (RRR 2.2)

All roads on the rally route are paved. If you find yourself on gravel, you are off course.

All rally roads are public through roads. Roads marked dead end, no outlet, etc. are not on the rally route.

Route instructions (RRR 4)

Route instructions may be written out plainly in words in sentences, cryptically encoded in abbreviations and defined terms, and/or drawn in diagrams and pictographs.

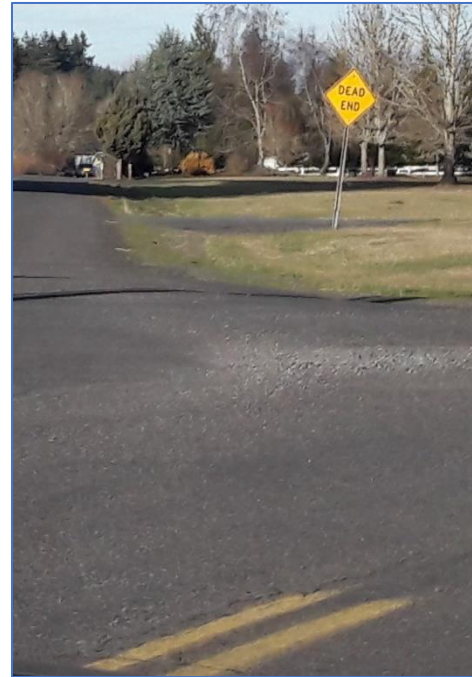
Route instructions tell you what to do and where to do it. (RRR 4.2, 4.3)

What to do:

- Deviations (RRR 4.5) – L, LEFT, R, RIGHT, S, STRAIGHT, TURN. A change in course off the main road. **NRI 8**
- CAST (RRR 6.5) – Change average speed to. **NRI 12**
- PAUSE (RRR 6.19) – **NRI 13**

Where to do it:

- Sign (RRR 5.1) – All CAPS, in quotation marks, exact as close as graphically reasonable. **NRIs 3 through 7, NRI 10**
- Landmark (RRR 4.4) – Physical object identified by a sign. All CAPS, not in quotation marks, not in Glossary. **NRI 9, NRI 18** (a road identified by a sign can be a landmark)
- Official mileage (RRR 4.6) – All NRIs in the Rally School Rally have official mileage.
- Term defined in Glossary (RRR 4.3) – Examples: STOP, SIGNAL, T. **NRI 2**



Staying on time

Follow the route attentively and accurately. You can lose a lot of time u-turning to get back on course.

In general, drive a little faster than CAST. You'll need time to safely navigate corners, slow to read signs, and stop at stop signs.

Pauses may be provided where needed. If you don't need the full pause, wait out any extra time safely on the other side of the intersection. Keep track of pause time. Pauses are included in official leg times; if you skip a pause, you may earn penalty points for being early.

Leave a little early from CZTs and pauses. Don't block a CZT location. Complete your odometer reset and pull forward safely to await your restart time.

Learn to use time allowances to your advantage, especially at a CZT.

Calculate your odometer correction factor and use it to adjust CAST.

Rally Etiquette and Safety

The rally cars start out one minute apart. If all the cars ran exactly on time, they would stay one minute apart. But sometimes rally cars find themselves right behind another car. Do not tailgate; do not pass in no passing zones or in other unsafe situations. If traffic is impeding your ability to follow the course at CAST or if you find yourself trying to occupy the same point in space as another vehicle, find a safe place to pull over and take a time allowance. There is no penalty for using a time allowance.

More Route Notes

2.50 12. CAST 45.

NRI 12 occurs at OM 2.50. There is no other reference (sign, landmark). So pay attention to your odometer and make this speed change at the mileage.

6.05 13. L at "STOP". PAUSE 15 seconds. CAST 42.

NRI 13 includes a pause for 15 seconds. Start counting out the pause as soon as you arrive at the sign saying stop at OM 6.05. Leave a bit early.

12.54 16. R at SIGNAL. Begin TRANSIT.
/0.00

NRI 16 begins a transit that ends at NRI 19. A transit is a part of the rally that has no stated average speeds. You are expected to follow the NRIs at safe and legal speeds. (Don't forget to reset your odometer.)

10:57:00 5.93 19. R at "STOP" on SKYLINE. CAST 34. End TRANSIT.
/0.00

NRI 19 ends the transit. This right comes up quick (just 0.03 miles API). Stop briefly to reset your odo. There isn't much room here for cars to line up at this CZT, so continue around the corner and pull over to await your restart time.

8.09 20. R on ROCKY POINT. CAST 23.

This CAST may seem slow at first, but wait. This is a very curvy, bumpy road with extreme exposure. It's a fun and scenic drive, but also attractive to bicyclists and other recreational users. Use caution.

11.27 21. S at "STOP". CAST 30.

NRI 21 says straight at a sign reading stop - not south. Don't make that mistake.

12.02 22. Right. (unmarked dead end ahead)

NRI 22 occurs at OM 12.02. There is no other reference. Pay attention to your odometer. The comment in parentheses is considered helpful information but not mandatory. Just letting you know that if you did miss the right, you'd run out of road.

11:23:00 12.05 23. L at "STOP" (on HWY 30). CAST 45.
/0.00

NRI 23 is a CZT, so your out time is 11:23 plus your car number. You may not have much extra time here, so don't dawdle. If your out time has already gone by, enter a time allowance so that you can leave on time.

Pull up to the sign reading stop at OM 12.05. Zero your tripmeter. Leave this point by going left at your out time. Try to average 45 mph.

1.64 25. Stay left on DIKE RD.

NRI 25 at OM 1.64 occurs where the main road curves to the left with a side road as a straight off. The instruction to stay left on Dike Road just keeps you on the main road.

3.00 26. CAST 38.

NRI 26 is another example of a speed change occurring at OM with no other reference. Make the speed change at the mileage.

5.60 38. Left (on unmarked Holaday). CAST 33.

NRI 38 is another example of an instruction with no physical reference other than OM. Do it at the mileage. (The comment in parentheses is considered helpful. There is no sign indicating the road you are

turning on is Holaday, but if you have stock navigation, you'll see it marked on your map.)

10.98 42. L on OLD PORTLAND RD. Begin TRANSIT.
/0.00

NRI 42 begins a transit to the ending location of the rally at NRI 45. No speeds are specified in the transit. Just drive safe, legal speeds to the end.

0.42 45. Left into FULTANO'S parking area. End TRANSIT.

NRI 45 ends the transit and the rally. There is no after-rally gathering due to COVID. If you do leave your car, please wear a mask and maintain social distance.

Results will be emailed to contestants soon after the last car finishes.

But What About...

Main Road Determinants, notes, tricks and traps, and time-speed-distance road rally calculations?

There is much more to learn about Cascade Geargrinders TSD road rally. But that's for another day. This covers what you need to know to run the Rally School Rally - and most of the events offered this season.

Experience is the best teacher. You can re-run this event for practice. And then keep learning by running more road rallies - one each month, March through October. [Registration](#) opens about a month before each event.

And Then What?

Scores will be reviewed and results will be emailed to all contestants shortly after the last car finishes the rally.

You are invited to submit your comments, questions, suggestions and photos about the rally, which may be included in an after-event newsletter article. As a contestant of this event, your email will be added to our Geargrinders Road Rally email list which is used to promote upcoming road rallies.

Good luck and have fun!

Monte and Victoria Saager
2021 Rally School Rally Rallymasters
503-260-9472 or 503-260-8487

Cascade Sports Car Club's Feb. 27, 2021 Rally School Rally

Here We Go!

by Monte and Victoria Saager

<u>CZT</u>	<u>OM</u>	<u>NRI</u>	<u>Route Instruction</u>
10:00:00	0.00	1.	L at "STOP". Begin odometer calibration zone.
	0.07	2.	L at SIGNAL.
	1.25	3.	"NW 35TH".
	2.04	4.	"KITTRIDGE AVE".
	3.71	5.	"MILE 6".
	5.02	6.	"GERMANTOWN RD".
	7.25	7.	"HARBORTON DR".
	8.51	8.	R at SIGNAL.
	8.86	9.	L on GILLIHAN then stay left.
	8.939	10.	End odometer calibration zone at "NO GAS STATION ON ISLAND" then left. Continue left into the parking area. Return to stop sign to depart.
10:25:00	/0.00	11.	L at "STOP". CAST 40. PC3
	2.50	12.	CAST 45.
	6.05	13.	L at "STOP". PAUSE 15 seconds. CAST 42. PC4
	10.39	14.	L at STOP. PAUSE 15 seconds.
	11.69	15.	CAST 30 at "SLOW".
	12.54	16.	R at SIGNAL. Begin TRANSIT. /0.00
	2.37	17.	L at SIGNAL on CORNELIUS PASS.
	5.90	18.	R on SKYLINE.

<u>CZT</u>	<u>OM</u>	<u>NRI</u>	<u>Route Instruction</u>
10:57:00	5.93 /0.00	19.	R at "STOP" on SKYLINE. CAST 34. End TRANSIT. PC6, PC7
	8.09	20.	R on ROCKY POINT. CAST 23. PC8
	11.27	21.	S at "STOP". CAST 30.
	12.02	22.	Right. (unmarked dead end ahead)
11:23:00	12.05 /0.00	23.	L at "STOP" (on HWY 30). CAST 45.
	0.93	24.	R on JOHNSONS LANDING. CAST 35.
	1.64	25.	Stay left on DIKE RD.
	3.00	26.	CAST 38. PC10
	3.77	27.	R at "STOP". CAST 40. PC11
	7.19	28.	CAST 38 at "ELLIS FARM".
	11.25	29.	R at "STOP". PAUSE 15 seconds. CAST 30. PC12
11:43:00	11.77 /0.00	30.	R at "STOP" on 30. CAST 50.
	0.84	31.	L on FULLERTON RD. CAST 35.
	2.05	32.	L at "HOUSE OF MANY STONES". CAST 30.
	3.41	33.	CAST 40 at "STOP" at CHURCH RD.
	4.17	34.	L on STONE RD. CAST 30.
	6.17	35.	L at "STOP" on CATER RD. CAST 38. PC14

<u>CZT</u>	<u>OM</u>	<u>NRI</u>	<u>Route Instruction</u>
12:01:00	9.71 /0.00	36.	L at "STOP". CAST 43.
	3.24	37.	R on SIERKS RD. CAST 28. PC16
	5.60	38.	Left (on unmarked Holaday). CAST 33.
	8.12	39.	R on MOUNTAIN VIEW. CAST 32.
	10.24	40.	L on DUTCH CANYON. PAUSE 15 seconds. CAST 38.
	10.29	41.	R at "CITY LIMITS". CAST 32. PC17
	10.98 /0.00	42.	L on OLD PORTLAND RD. Begin TRANSIT.
	0.11	43.	R on HAVLIK DR.
	0.24	44.	Get into right lane to cross highway at SIGNAL.
	0.42	45.	Left into FULTANO'S parking area. End TRANSIT. 51511 SE 2nd Street, Scappoose, OR
			Rallymaster cell phones: Victoria 503-260-8487 Monte 503-260-9472