



# New Jersey National RoadRally Weekend - Combined General Instructions - **Roads of Home**

Presented by  
Northern New Jersey Region - Sports Car Club of America  
October 8, 2022

## **New Jersey Monte**

Presented by  
Northern New Jersey Region- Sports Car Club of America  
October 9, 2022

### **I. Overview and Philosophy**

- A. Both Rallies will be conducted in full compliance with the **Abridged RoadRally Rules** ([RoadRally Rules & Documents - Sports Car Club of America \(scca.com\)](https://www.scca.com/RoadRallyRules/Documents)) as supplemented by the events' General Instructions (GIs). This document contains items common to both rallies. Separate sets of GIs for each rally will contain items which pertain to that rally only.
- B. Each rally team will be required to bring a device that is equipped with the Richta Autonomous GPS Checkpoint App. This app will monitor your car's position during the rally and will record the precise time at which you arrive at each Timing Control on the rally. Once you have arrived at a Timing Control, the app will calculate your score for that leg and display it to you.
- C. This event will also be conducted as these General Instructions (GIs) direct. If there is a conflict between the GIs and the RRRs, the GIs shall overrule the RRRs

### **II. Headquarters**

Hampton Inn Clinton, 16 Frontage Rd., Clinton, NJ 908-713-4800. Group Rate: \$129 Plus Tax. **Group Name: NJ Monte - Cutoff Date for Group Rate: September 8, 2022**

### **III. Schedule**

#### **Roads of Home**

**1. Friday October 7, 2022**

a) Registration and Hospitality 6 pm to 7:30 pm at Rally Headquarters.

**2. Saturday October 8, 2022**

a) Registration by appointment only at 7 am to 7:20 am.

b) Route Instructions issued at 7:30 am plus your car number in minutes,

c) Official Start Time is 8:30 am plus your car number in minutes.

d) Car 1 arrives at Morning Break: 10 am

e) Car 1 arrives at Lunch: 12 noon

f) Car 1 arrives at Afternoon Break: 3 pm

g) Car 1 arrives at Finish: 5:00 pm

h) Award Presentation: 6:15 pm

#### **New Jersey Monte**

**1. Saturday October 8, 2022**

a) Registration and Hospitality 6 pm to 7:30 pm at Rally Headquarters.

**2. Sunday, October 9, 2022**

a) Registration by appointment only at 7 am to 7:20 am.

b) Route Instructions issued at 7:30 am plus your car number in minutes,

c) Official Start Time is 8:30 am plus your car number in minutes.

d) Car 1 arrives at Morning Break: 10: 30 am

e) Car 1 arrives at Lunch: 12:30 pm

f) Car 1 arrives at Afternoon Break 2:30 pm

f) Car 1 arrives at Finish: 4:30 pm

g) Award Presentation: 5:15 pm

### **IV. Rally Committee and Officials**

#### **Roads of Home**

**Rally Chair/Safety Steward:**

**Robert Shore**

**Rallymaster:**

**Peter Schneider**

**Official Precheck:**

**Satish Gopalkrishnan / Savera D'Souza**

**Official Observer:**

**Jim Wakemen**

**Claims Committee:**

**Appointed if needed**

#### **New Jersey Monte**

**Chair Chair/Safety Steward**

**Peter Schneider**

**Rallymaster**

**Robert Shore**

**Official Pre-Check**

**Satish Gopalkrishnan / Savera D'Souza**

**Official Observer:**

**Jim Wakemen**

**Claims Committee:**

**Appointed if needed**

## **V. Registration**

### **A. Requirements.**

1. Registration form must be submitted and fee must be paid.
2. Both members of the crew must appear (not necessarily together) at registration to sign the SCCA waiver.
3. The driver must certify he/she has valid drivers' license.
4. Completed Self Inspection form must be submitted prior to receiving route instructions.  
The self-inspection form is Appendix B of this document.

### **B. Registration Packet Contents.**

1. A list of contents of this Packet.
2. One Copy of this exact set of GIs.
3. Either an addendum to this set of GIs or a statement that there is no addendum to this set of GIs.

### **C. Emergency contacts, vehicle inspection, and insurance requirements.**

1. See Appendix B – North by Northwest
2. See Appendix B – New Jersey Monte

## **VI. Police and Applicable New Jersey State Laws.**

**A.** The New Jersey State Police have been notified about the event. Contestants are required to obey all laws of New Jersey. The consumption of alcoholic beverages during the event, rude or reckless driving or receiving a traffic ticket for a moving violation will result in disqualification.

### **B. Applicable NJ State Laws.**

1. Roads that do not have a posted speed limit are:
  - a. Residential areas are 25 mph.
  - b. Non Residential areas are 50 mph.
2. Right at Red Traffic Signals are permitted after a full stop, unless a sign is posted prohibiting such turns at the intersection.
3. When windshield wipers are on, headlights are required to be on.

## **VII. Reference**

**A. Signs.** Any reference that appears in quotation marks (for example: Right after “Bridge”) is a reference to words, letters or numbers on a sign. Capitalization, punctuation, and exact word spacing are irrelevant. Signs may be quoted in full or in part but always in a sequential manner as intended to be read. Signs painted on the road will never be used.

**B. Landmarks.** Any reference that does not appear in quotation marks (for example. Right after Bridge) is a reference to an actual object known as a Landmark. All Landmarks will be either referenced by an Official Mileage or identified by a sign or defined in the Glossary of these General Instructions or the Abridged RoadRally Rules.

## VIII. Using the Richta app

Contestants will need to preload the 'Competitor – Richta GPS checkpoints' app on a suitable device. You cannot run any other apps on this device during the rally. If you are planning to use any other app during the rally, you'll have to do so on a separate device. This app uses a fairly large amount of battery power due to its use of GPS. You should plan to have your device connected to a power supply during the rally.

Two weeks prior to the rally all registered teams will be given information on how to download this app. You will also be downloading specific data about the rally (checkpoint locations and leg times), although this data will not be visible to you. At rally registration, we will tell you which version of rally data you should have on your device. If you have an older data version (lower number), you must upload the current data version. There will be people at registration who can help you with this.

Your device will NOT need to have a cell signal or data signal during the rally in order for this app to work. The app will have downloaded all necessary information prior to starting the rally. During the rally it only needs a GPS signal. We have tested this app many times on this rally course and found that it is reliable at all checkpoint locations and in a wide variety of weather conditions.

You will know that the app is running by noticing the running time-of-day clock and if the app should crash during the rally, simply pull off the road in a safe location, reboot the app and then continue to rally. Take a time allowance if necessary. The app will simply resume where it left off. No data will be lost, but you must notice if the app has stopped. If you pass a control while the app is not running, you will not be timed at that control and you will be scored as a max (30 points). It is your responsibility to pay attention and make sure that the app continues to run on your device.

### Notes and suggestions:

- Read these General Instructions carefully and ask questions about anything that's not clear. Print them and bring them with you.
- Other stuff to bring: a clipboard, pens, a highlighter, a pad of paper, a magnifying glass and your device with the Richta GPS Checkpoint app preloaded.
- Be sure to zero your trip odometer wherever the Route Instructions tell you to. Failing to do this is a good way to get lost because you won't be able to make use of the Official Mileages in the Route Instructions. All Route Instructions have an Official Mileage and these will help you follow the course.
- The most common cause of getting lost is overlooking the correct place to turn. For example, if the next route instruction is Left on Smith, be very careful to not miss Smith Road
- It is very helpful to display the current page of Route Instructions in a way that both driver and navigator can read it. Experienced rallyists typically mount a clipboard to the dash at a midpoint between driver and navigator. The navigator posts the current page of Route Instructions on the clipboard and then both of you can read them. If you do mount a clipboard, be very careful to do so in a way that would not interfere with any air bags.

- We recommend that you cross off each Route Instruction as soon as you complete it. That helps you to keep track of which Route Instruction you should be seeking.
- Drive safely at all times. Don't let reading the Route Instructions or following the course distract you from driving safely.
- All rally cars are required to stay on time whenever they approach a **CONTROL** location. If a **CONTROL** reference, sign or landmark, is missing that **CONTROL** will still be counted as part of the rally scoring.

## IX. Classes, Awards and Tiebreakers

A. Contestants should register in one of these seven classes.

### National Event

1. **Equipped** – There are no restrictions on calculating equipment in this Class. Typical calculating devices in this Class include: Alfa, Chronar, Timewise, and Zeron rally computers.
2. **Limited** – All distance information is derived from any of the following: the vehicle's electronic system, the vehicle's speedometer cable, or pulses generated by the movement of the vehicle (e.g. magnets mounted to the drivetrain, or GPS devices). Calculating devices are limited to those that require manual entry of the distance information (e.g. Curta calculators, tables, laptop computers, electronic APPs, programmable and non-programmable electronic calculators). Readouts that continuously show the difference from either the perfect time or the perfect distance are prohibited.
3. **GPS** - All distance information must be derived from a GPS source. Calculating devices may be any electronic device (e.g. Simple Rally Computer type APPs and a GPS-Pulser providing distance input to a Rally computer.)
4. **Stock** – Any distance information used for timing calculations must be visually acquired from the vehicle's stock, non-adjustable odometer in the stock location. Any calculating device may be used as long as the distance information from the vehicle's stock odometer is manually entered into the device.

### Regional Event

1. **SOP (Seat of the Pants)** – No timing calculations may be performed, except for comparing your actual time to the car zero time as shown in some route instructions.
2. **Novice** – Same equipment restriction as SOP, but in addition neither contestant may have a competed in five or more TSD rallies or have received an award on any map rally.
3. **Beginner** - Same equipment restriction as SOP, but in addition neither contestant may have a competed in any prior map rally or more than one TSD rally.

## B. Awards and Tiebreakers.

1. Awards for first place will be presented in each of the classes.
2. A Performance Index Award will be presented to the Team with the best overall performance over the two day event: 1.00 for Equipped, 0.80 for Limited, 0.60 for Stock, 0.50 for SOP, 0.40 for Novice and 0.30 for Beginner.
3. Ties for the trophies will be broken by elevating the team with the most scores of zero. If a Tie remains then starting at the first timing control and continuing until a car has a lower score. The team with the first lower score will be elevated to the better finishing position. If a tie still remains a coin flip will determine the team to be elevated.

## X. EMERGENCY SITUATIONS

Should anything occur which adversely affects the course integrity, an emergency sign with the letters "SCCA" will be posted along with any instructions necessary to clarify the nature of the emergency and/or the action to be taken. A sample will be posted at Registration.

## XI. Control (Checkpoint) Procedures

1. This rally will utilize GPS based scoring. Contestants must download the Richta GPS Competitor app and keep this app running on their device at all times during the rally. The Richta app will monitor your car's location using GPS and will know when you pass each CONTROL location. The app will record your time of arrival to a resolution of .001 of one second and compare that time to the calculated time, compute your score, and display your score to you. If it's not zero, it will tell you if you're early or late. It will also notify you if you successfully located an On-Course Route Control or passed an Off-Course Route Control on the New Jersey Monte.

## XII. Controls and Scoring

### A. There are Four Types of Controls used during the New Jersey National RoadRally Weekend.

1. **Restart Controls** will be listed in the Route Instructions at the beginning of each portion of the rally. All Restart Controls will use the Car Zero Time (CZT) method. The Richta App will tell each car the time to leave that control thus beginning the next section of the Rally. Approximately 100 feet before every Restart Control the Richta app will ping to confirm you are in the correct place. If there is a discrepancy between the restart time in the Route instructions and the restart time in the Richta app, you must use the restart time given to you in the Richta app. **If you have been on a TA prior to the restart point, and intend to keep running with that TA in the next Section, you must reenter it in the Richta app at the restart point. Otherwise the app will assume you are back 'on-time'.**

2. **Time Check Control(s)** will be as listed in the Route Instructions. These Control(s) will permit contestants who are calculating their travel times to check the rally time with their clocks.
3. **Timing Controls** will record each car's arrival time to the .001 of a second. The locations of all Timing Controls will be listed in the Route Instructions. If you are not seeking to execute a Route Instruction that has a Timing Control specified within it, you are in a Free Zone. The contestants are required to stay on time when not in a Free Zone. If the sign or landmark listed in a Timing Control is missing, the contestants will still be timed in and the Timing Control will still be counted in all scores. There are no Timing Controls within .25 miles after a Stop Sign that requires the Rally car to stop and there are no Timing Controls within .25 miles of a restart Control.
4. **Route Control (New Jersey Monte Only)** - These will be used to note your ability to follow the correct rally route. Failure to pass an On-Course Route Control or passing an Off-Course Route Control, will result in a penalty as noted below. The Richta App will be utilized to note your passage of a Route Control. Route Controls will not be identified on the OFFICIAL MAP and will not be listed on the Route Instructions. There are no PAUSES added into the official leg time at a Route Control. **Within the Richta App Route Controls will be numbered 101-110 and may not be numbered sequentially.** Route Controls will be numbered in such a way that you will not be able to identify if you missed one prior to the next Timing Control or Map Reference Point/Restart. If you believe that you might have missed a Route Control, you will have to decide if you want to take a Time Allowance and double back to try to locate the missing Route Control or proceed on with the event with the understanding that you might have missed a Route Control. Remember you do not have an unlimited Time Allowances 'bank of minutes' and you must allow for enough time to locate the (on-course) Route Control and return to the point you departed before your 'bank of minutes' expires. If needed you can always short cut the route to the next Map Reference Point/Restart to get back 'on-time' but you risk missing other Route Controls and Timing Controls, but you will be 'on-time' for the next section of the event.

## **B. Scoring**

1. Scores will be to the **tenth of Seconds**. Scores are determined by the contestants' difference from their arrival time and the official time truncated to the lower whole second.
2. Maximum scoring penalty early or late at a Timing Control is 30.0 points
3. Scoring penalty for failing to pass on On-Course Control or passing an Off-Course Control is 30.0 points
4. If you are delayed along the rally route for any reason, you may submit a **Time Allowance (TA)** without any penalty. Hence if you are delayed due to road blockage, slow traffic, getting lost, or any other reason, do not speed to try to make up the lost time. TAs are submitted on your device via the Richta app by pressing the **TA+** button. The first button press creates a TA of 10 seconds. The second press increases the TA from 10 to 20 seconds. The third press increases the TA from 20 to 30 Seconds.

Each additional press adds 1.00 minute to your time allowance up to a maximum of 19.50 minutes per Section. Pressing the TA- button will remove time from your TA by the reverse of the same increments. Your time allowance will persist until the next restart point, unless changed by you, at which point it should reset to zero or any other defined amount. **It is the contestant's responsibility to pay attention to the time allowance and be sure that what it shows is what you want. If you are delayed, you must enter a time allowance BEFORE you arrive at the next control.**



### XIII. Glossary

All terms defined in this Glossary will be used in the Route Instructions only in the context described less the term is contained within quotation marks indicating it is the text of a sign. Terms that are not defined in this Glossary are used in their normal English dictionary definition.

**Black and Yellow Paddle** – an officially erected black and yellow striped sign warning motorist of objects close to the road.

**CAST X**- Change (or Commence or Continue) Average Speed To where the X is a number. The number is the speed which the Contestants are required to maintain.

**CR** – County Route. County Routes are identified by a 5 sided sign with a three digit number. An example can be seen on the Odometer Calibration Zone.

**Crossroad/ Sideroad Sign** – an officially erected black on yellow sign depicting a Crossroad/ Sideroad.

**Crossroad** – an intersection of 4 roads with one being the road on which the rally enters the intersection, one to the right, one to the left and one generally ahead.

**Curve Arrow**- an officially erected black on yellow sign warning of a curve in the road ahead.

**Free Zone** – a portion of the rally route in which there are no timed controls.

**Graphic** – an officially erected black on yellow sign depicting a road condition. Example: Horse and Rider Graphic.

**(Helper: )** – information in parentheses is provided to be helpful. This may be used to clarify a confusing situation or to provide additional assistance.

**Pause** – add the specified amount of time to your travel time. Pauses are expressed in seconds. Example: **Pause 15 Seconds**.

**Red Octagon** – an officially erected sign with a red octagon warning there is a Stop sign ahead.

**Sideroad** – an intersection of 3 roads with one being the one on which the rally enters the intersection, one to the right or left but not both, and one generally ahead.

**Stop** – An official octagonal stop **at which the rally vehicle is required to stop**.

**T** – an Intersection of three roads in the general shape of the capital letter T as approached from the bottom of the letter.

**Traffic Light** - An Intersection controlled by a Traffic Light, i.e. an intersection at which there is a fixed signal light alternating between red and green (and frequently including yellow as a transition between green and red) used to regulate traffic and which controls the rally vehicle. For rally purposes, only one traffic light may exist at an Intersection.

**Transit Zone** – a portion of the rally route in which there are no controls and in which no specific speed need be maintained. Either an exact time for passage or a restart time from the end of the transit zone will be given.

**Y** – an Intersection having the general shape of the letter Y as approached from the bottom of the letter.

## **XIV. IN CLOSING**

CRITIQUE SLIPS – Due to the nature of the event and utilization of the Richta App, Critique Slips will be available at the AM Break, Lunch Break PM Break and at the Finish.

Do not leave the start without checking that your Route Instructions are complete and legible. Remember, a rally is not a race. BE COURTEOUS. We share the roads with others who use them every day.

**Special Note: The Richta App will automatically reset your TA to zero at a Restart Control, if you need to 'carry over' all or a portion of your TA to the next Section you must re-enter the amount of time in the Richta App.**

## Appendix A – Richta Competitor app information

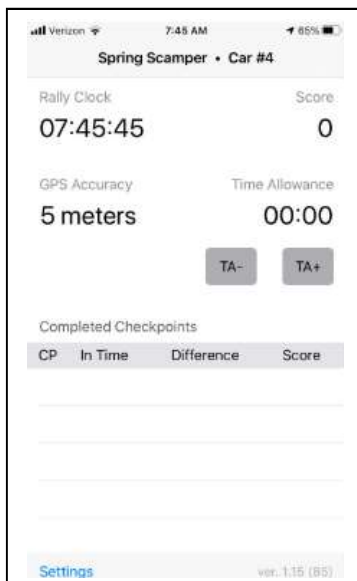
### A1: Loading the Richta GPS Checkpoints app on an Android device

Contestants that compete with an Android device will need to be running Android version 5.0 or above on their device. To check this, go to Settings/About device and scroll down to see the Android version. Go to the Google Play Store on your device and search for “Competitor Richta GPS Checkpoints.” You may have to scroll down multiple times to find this app in the search results. Download this app to your device. There is no cost to you for this app. Once downloaded, open the app. If you get a message saying “App requires location permission,” you’ll need to grant permission for the app to use location information from your device. To do this, go to Settings/Apps/Competitor. Grant the permissions it requires (location). **Open the app. You’ll be asked to select an event. Choose “SJR North by Northwest” or “New Jersey Monte”.** You’ll then be asked for a car number and a password. Enter the car number you’ve been assigned. Create a password for yourself and enter it. Press “Save.” Then press “Add” when it appears. You do not need to enter anything in the other fields. **Confirm in the lower right corner that you have current version.** You should see a screen that looks similar to the Android example below.

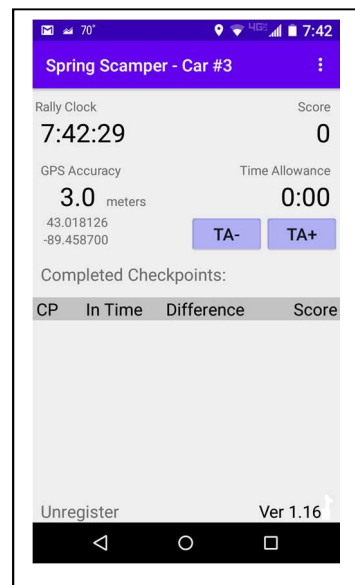
### A2: Loading the Richta GPS Checkpoints app on an Apple device

Go to the Apple App Store on your Apple device and search for “Competitor Richta Checkpoint.” Download the app. There is no cost to you for this app. Open the app. Choose “SJR North By Northwest”. Enter the car number that you have been assigned. Create a password for yourself and enter it. Press “Done.” Press “Continue.” Press “Submit Info.” You do not have to enter any info in the other fields. **Confirm in the lower right corner that you have current version**

You should see a screen similar to the Apple example below\*:



Apple Competitor Richta Checkpoint app



Android Competitor Richta GPS Checkpoint app

### **A3: General information for all devices about the Richta app**

If you have previously run a rally using the Richta Competitor app, you are still required to go to the appropriate app store and update your Competitor app. Do not run the Competitor app using the same car number on two devices during the rally. Be sure that you have enabled roaming on your device. You should not run any other apps on the device that is running the Richta Competitor during the rally. If you are planning to use another app during the rally, you'll need to do that on a different device. You may not run the Competitor app in airplane mode during the rally. You may not run the Competitor app on a Wi-Fi only device during the rally.

Leg times have been calculated to the 0.001 second and the Richta app will interpolate your arrival time at each timing control to the 0.001 second. The app then computes your error to a resolution of 0.001 second and then truncates that error to the whole 1/10 of a second. Hence, if you are between 0.099 seconds early and 0.099 seconds late at a control, the app will truncate that to a score to zero (0.0). Hence the window to receive a score of zero is 0.198 seconds wide. If your arrival time error is between 0.100 second and 0.199 seconds, your score will be 0.1.

Your device will NOT need to have cell service during the rally in order for this app to work. The app only needs location information from the GPS signals during the rally.

If the app should crash or stop during the rally, simply pull off the road in a safe location, reboot the app and then continue to rally. Take a time allowance if necessary. The app will remember all of your arrival time and score information and will simply pick up where it left off. Just be sure that you don't pass a checkpoint or a restart point while the app is not running.

**You MUST keep an eye on your device to make sure that the Richta checkpoint app is still running and is on your device's screen. If your device reverts to its home screen, then the Richta app may not sense your arrival at a checkpoint.** If you encounter any trouble with downloading the app and registering your car number, please call the rallymaster, Jim Wakemen [609-634-0485](tel:609-634-0485).

On Saturday evening after North By Northwest scores are finalized, you must unregister North By Northwest from the Competitor app on your device and then register for New Jersey Monte.

**Special Note: The Richta App will automatically reset your TA to zero at a Restart Control, if you need to 'carry over' all or a portion of your TA to the next Section you must re-enter the amount of time in the Richta App.**

**\* Please note that the Apple version will not display latitude and longitude information until you touch the screen under the 'GPS Accuracy' heading.**

## Appendix B: Emergency contacts, vehicle inspection, and insurance requirements

Please complete this form and submit it at registration.

Events: NNJR-SCCA Roads of Home.

Date: October 8, 2022

Car # \_\_\_\_\_

I warrant that an auto insurance policy with liability limits of not less than the minimum required by the state in which the vehicle is registered is in effect. I certify that the car entered is on the road legally and is either owned by the entrant or is being used by the entrant with the owner's permission.

Driver name: \_\_\_\_\_ Navigator name: \_\_\_\_\_

Car # \_\_\_\_\_ Class \_\_\_\_\_ Vehicle make: \_\_\_\_\_ Model: \_\_\_\_\_

Driver: In case of emergency, the following person should be notified (excluding rally partner)

Name: \_\_\_\_\_ Relationship to you: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Navigator: In case of emergency, the following person should be notified (excluding rally partner)

Name: \_\_\_\_\_ Relationship to you: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

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The following items are to be inspected on your rally car:

\_\_\_\_\_ Headlights (high/low beams), parking lights, taillights, and stop lights

\_\_\_\_\_ Horn \_\_\_\_\_ Windshield wipers \_\_\_\_\_ Directional signals

\_\_\_\_\_ Rear view mirror \_\_\_\_\_ Foot brakes (subject to static brake test)

\_\_\_\_\_ Parking brake (holding ability) \_\_\_\_\_ Tires (condition of sidewalls and tread)

\_\_\_\_\_ Seat belts properly installed for both occupants \_\_\_\_\_ Class equipment limitations

I warrant that I have inspected these items on my rally vehicle and they are in working order.

Competitor signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Appendix B: Emergency contacts, vehicle inspection, and insurance requirements

Please complete this form and submit it at registration.

Events: NNJR-SCCA – New Jersey Monte.

Date: October 9, 2022

Car # \_\_\_\_\_

I warrant that an auto insurance policy with liability limits of not less than the minimum required by the state in which the vehicle is registered is in effect. I certify that the car entered is on the road legally and is either owned by the entrant or is being used by the entrant with the owner's permission.

Driver name: \_\_\_\_\_ Navigator name: \_\_\_\_\_

Car # \_\_\_\_\_ Class \_\_\_\_\_ Vehicle make: \_\_\_\_\_ Model: \_\_\_\_\_

Driver: In case of emergency, the following person should be notified (excluding rally partner)

Name: \_\_\_\_\_ Relationship to you: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Navigator: In case of emergency, the following person should be notified (excluding rally partner)

Name: \_\_\_\_\_ Relationship to you: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

---

The following items are to be inspected on your rally car:

\_\_\_\_\_ Headlights (high/low beams), parking lights, taillights, and stop lights

\_\_\_\_\_ Horn \_\_\_\_\_ Windshield wipers \_\_\_\_\_ Directional signals

\_\_\_\_\_ Rear view mirror \_\_\_\_\_ Foot brakes (subject to static brake test)

\_\_\_\_\_ Parking brake (holding ability) \_\_\_\_\_ Tires (condition of sidewalls and tread)

\_\_\_\_\_ Seat belts properly installed for both occupants \_\_\_\_\_ Class equipment limitations

I warrant that I have inspected these items on my rally vehicle and they are in working order.

Competitor signature: \_\_\_\_\_ Date: \_\_\_\_\_