



Bulletin 2022-3

RallySafe for the National Championship

12/27/2021

The ARA have decided to continue the use of the RallySafe systems for the 2022 National Championship.

The ARA will be using the RallySafe system for timing, scoring and tracking at all National Championship events. The RallySafe clocks on the units are considered the “official time” for the events. The event timing and scoring will be done using the times recorded by RallySafe. Events may also begin using the virtual chicane, quiet zones, and other options available from RallySafe. In these cases, the RallySafe system will be considered judge of fact.

It is the responsibility of the competitors to understand the operation of the RallySafe in car units. Additional penalties may be given for improper use of the warning systems regardless of whether or not such actions affect other competitors.

Virtual Chicane Penalties

If virtual chicanes are to be used in an event, the event supplementary regulations will specify the target speed. If a competitor doesn't match the target speeds, as confirmed by RallySafe, the following penalties apply.

Lowest speed attained 1-9 MPH above the target speed – 10 seconds

Lowest speed attained 10 MPH or more above the target speed – 1 minute.

RallySafe Information and Requirements

Helpful documents and instructions can be found on the ARA website at:

<https://www.americanrallyassociation.org/rally-safe>

The fitting kit instructions below will be required for all competitors entered into an event on the national event calendar.

RallySafe Fitting Kits and Installation Requirements

There will be two options to competitors for the required RallySafe fitting kit. Either option must be installed before the RallySafe unit is installed in scrutineering. Cars not meeting this requirement will not pass scrutineering.

Option #1 – Rental Fitting Kit - \$40 per event, paid during registration

- It requires a 14mm hole drilled into the roof for the antenna to be hard mounted. This location is detailed in the Rallysafe installation instructions. The 12mm hole in the instructions has been too tight in several instances.
- The car must have a TE AMP SuperSeal 1.5 2-Pin male plug/female pins (TE part number 282080-1) with **un-switched** power and ground.
- The power pin must be in terminal 1 of the connector. The connector has the terminal numbers labeled.
- The plugs must be able to reach level with the dash at the passenger A-Pillar bar plus six inches.
- There are also pigtail kits available from several vendors.

- We will have a LIMITED number of plug kits available on site at scrutineering in case competitors have issues with their installs.
- The unit itself will be mounted with a roll cage attachment at the passenger A-Pillar or windshield support bar and requires no cutting or drilling. This is installed by a clamp system so the bar must have 360 degree access and clearance around the bar for the clamp.
- This installation kit must be returned at the end of the event or if the competitor withdraws from the rally.
- If teams are using the rental installation kit, they are expected to arrive at scrutineering with the AMP connector installed and hole in the roof drilled.
- The rental fitting kits will be released to competitors at either the event check in (if possible) or tech.
- Rental kits must be pre-purchased. If not, there is no guarantee extras will be available at the event.

Option #2 – Purchase a RallySafe Fitting Kit

The second option is for the competitor to purchase a fitting kit directly from RallySafe.

- There are several options, including a stick-on antenna and different wire lengths. The bolt on antenna is recommended.
- Kits can be found here: <https://shop.statusas.com/shop/category/rallysafe/>
- Please note, shipping can take up to two weeks.
- We may have a limited number of these kits available for purchase at the event.

Either option will require a 12V power wired to the harness of the vehicle on **un-switched** power. The power source must be from the main battery and utilize a 5 amp fuse. Full installation details for both versions of the kits are available here: <http://rallysafe.com.au/wp-content/uploads/2017/03/RallySafe-Car-Fitting-Kit-Instructions-2017.pdf> . The in-car unit will be installed at scrutineering.

Return of RallySafe Units and Fitting Kits

For cars completing the events, teams must remove the unit and temporary fitting kits immediately after checking in to the final control and return all items to the RallySafe/ARA representative on site.

For cars DNFin the event before the finish, teams must remove the unit and temporary fitting kits as soon as possible and return them to the RallySafe representative or an ARA event official. Missing kits, parts, or units will be invoiced per RCR 9.3.4. The complete installation kits are approximately \$150 and the units are \$1500.

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