



December 29, 2023

Timing and Tracking for 2024 King of the Hammers

Over the past season, it has been the desire of USAC and King of the Hammers to bring a world class system to our events that will provide stronger safety solutions, accurate and accountable tracking and scoring and improved communication and reporting opportunities.

With those goals in place, USAC has made the decision to run the event management system *RallySafe* for King of the Hammers 2024. *Rallysafe* will be used for all the race events during King of the Hammers race week including Desert and Rock races. Rock classes qualifying will not use *Rallysafe* for qualifications.

Here are a few highlights of what are expected from an upgraded system:

- **Emergency Response:** With near instant emergency reporting, emergency response will be faster by crucial minutes.
- **Tracking:** With more accurate tracking and vehicle information, the organizers will have important details on every vehicle in the event. From being stopped, high G-load incidents, or cars off route, organizers will be able to make critical decisions using up-to-date information.
- **Scoring:** With instant communication of checkpoint times and penalties, scoring will be updated in near real time.

Installation Kits and Installation Basics

All vehicles competing must have the following installed prior to tech. No vehicles will pass tech until the following installations have been confirmed.

- 1" ball mount. This can be mounted on a panel, on the cage or similar. It must be mounted in such a way that one of the occupants of the vehicle can reach the unit while seated with the belts on. KOH will supply the remainder of the parts that attach to the ball. This will include the unit and the clamping bar that supports it. It is recommended to use a RAM mount ball, but other brands have been known to work.
- The car must have a TE AMP SuperSeal 1.5 2-Pin male plug (TE part number 282080-1) <https://www.te.com/us-en/product-282080-1.html> with **un-switched** power and ground. Any vehicles with power supplied by a switched source will not pass tech. This may be installed direct to the battery or the unswitched side of the master switch. This power feed may have a fuse installed. A 5-amp fuse is sufficient to supply the unit.
 - The power pin must be **in terminal one (1)** of the connectors. The connector has the terminal numbers labeled.
 - The power plug must be located within 6 inches of the 1" ball and easily accessible by officials.

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The *Rallysafe* units will be installed at tech by officials who will verify their operation and installation. These units will need to be removed as soon as practical after the race to be re-programmed and reused for the next day's events. Officials will be at the finish line to remove the unit from your vehicle. If you do not cross the finish line, you will need to return the unit as soon as possible to the bin located inside the media center. Any units not returned within 24 hours of the completion of your race will incur a \$500 fine. Any units not returned will be charged at \$2500.

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