



Event Supplementals

LAGUNA SECA 8+7-Hour Enduro
WEATHERTECH RACEWAY LAGUNA SECA
Monterey, California, USA
November 20-21, 2021

CONTACTS

EVENT DIRECTOR

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Flagtronics Flagging System
will be available at this event.

EVENT SPECIAL NOTICES

ESN 1 - Max sound of 90dbA at 50-feet will be enforced per the BCCR.

ESN 2 - Track damage fees will be passed onto the team responsible for the damage.

ESN 3 - Event Sponsor Decal installation instructions - none

EVENT TIMELINE

Friday Nov 19, 2021 Schedule: Move-In Day

- 6:30am Gate opens (Time may change)
- 10:00am Registration, Gear Check, and Tech Open
- 5:00pm Registration, Gear Check, and Tech Close

Saturday Nov 20, 2021 Schedule: 8-Hour Race 1

- 6:30am Gates Open
- 8:00am Announcements
- 8:45am Cars roll out
- 9:00am Green Flag Race 1
- 5:00pm Checker Flag Race 1
- 5:15pm Post Race Impound
- 10:00pm Gates Close (approximate)

Sunday Nov 21, 2021 Schedule: 7-Hour Race 2

- 6:30am Gates Open
- 8:00am Announcements
- 8:45am Cars roll out
- 9:00am Green Flag Race 2
- 4:00pm Checker Flag Race 2
- 4:15pm Post Race Impound
- 5:00pm Awards Ceremony
- 10:00pm Gates Close (approximate)

Monday Nov 22, 2021 Teams may remain over night Sunday and depart Monday morning.

Sound Restrictions:

The sound level of your car is not to exceed

90 dbA at 50 feet.

This will be strictly enforced!
3-strikes and you are out for the whole weekend.

Make it quieter than stock.
Includes intake system.

Download and read the ChampCar Endurance Series BCCR:

<https://champcar.org/rules>

Reading the rules is required by all CCES drivers, crew and car builders.

The Supplemental Rules May Be Updated Without Notice.

Teams Are Advised To Check Them With Regularity And Print A Copy For Reference Prior To Coming To The Event.

<https://ChampCar.org>

<https://ChampCar.org/events>

info@ChampCar.org



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Event Info

Sound Restrictions: 90db at 50 feet is the maximum limit for your race car. There is no exception. Sound level readings are required by the county. There is no due process. When you are told you have exceeded the limit, you now have two more strikes left. On the third strike you will not be allowed back on the track for the whole ChampCar event. Your time starts with lap one of the race on Saturday.

Flagtronics: ChampCar will be utilizing the Flagtronics flagging system at Laguna Seca. Units can be rented for free or purchased at ChampCar registration.

ChampCar.Live! : Watch the race from start to finish with live commentary. Visit ChampCar.Live.

Test & Tune Information: None

Pitlane Spaces: Pre-Assigned. Please email the event coordinator to request pit buddies. Put "Pit Request - Laguna Seca" in subject line.

Garages: TBD

Paddock Electric/Lighting: None. Very limited lighting.

Pitlane Electric/Lighting: None

Pit Passes: Teams are advised that all team members, family, and guests who desire Pit Lane access MUST purchase a Weekend Membership Pass (\$20) through ChampCar at the track. ChampCar members can obtain a free pit pass by showing their membership card.

Pets: They are welcome on property, but must be kept on a leash.

Children: Children must be under adult supervision at all times. Children under 18 are not allowed on pit road.

Camping:

Laguna Seca Recreation Area offers Reserved and General Camping in six different locations around the track. Reservations are recommended for all types of camping. [Click here to book online](#) or Call the Ticket and Accommodations Office at (831) 242-8200 from 8 a.m. to 5 p.m. PT (subject to change).

The maximum length for Recreational Vehicles we can accommodate is 40 feet.

Campfires are permitted in the provided fire rings only. No open ground fires. All fires must be extinguished by 10 PM. If you are booking more than one site online, there is a \$5.00 reservation/booking fee per site.

Check-in time is from 2 p.m. - 6 p.m. Check-out is at 12 p.m. (noon).

<https://www.co.monterey.ca.us/government/government-links/weathertech-raceway/camping/non-premier-event-camping>

Barbecues: May be limited due to fire restrictions. BBQ's are allowed in the camping area only, provided all BBQ's are supervised at all times, a fire extinguisher is within 15' of the open flame, and all open flames are (at a minimum) 20' from all race cars, fuel storage or other flammable sources.

Restroom / Showers: Restrooms are available in the paddock. No showers. The camp grounds do have restrooms with showers.

Gate: 24-hour gate coverage. Must have a wristband to enter.

Concessions: Concessions will be open.

Fuel on site: 91 and 101 octanes available. Credit Card only.

Weather: We're racing, regardless of the weather.

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Track Maps



Turn 1 is a blind turn taken at full speed. Once through, steer toward the right side to set up for Turn 2.

Turn 2 is the Andretti Hairpin. This is mostly a single apex corner. Stay straight on the right entering the very long turn to reach the apex with maintenance throttle after braking.

Turn 3. Aim the car to driver's left and slow down for entry, as the apex is late in the corner.

Turn 4 is a fast radius turn with no banking so it is not uncommon to have the car slide at the exit. Don't turn in early as that may lead to lifting at the exit and an almost certain slide or spin.

Turn 5 begins to go uphill at the apex. The slight banking starts at mid corner and it is important to carry speed up the hill. The approach is slightly longer with smooth braking rather than short abrupt braking.

Turn 6 is a corner you need to watch out for. There is a dip into the apex and too much weight transferred forward can make the car get loose by the apex. Start braking at the bridge for a smooth entry, then return to a maintenance speed before turning in.

Turn 7 turn in is on the left of the hill just past the end of the curbing. Go straight over the blind crest so that the car is on the right side as you approach The Corkscrew. Brake before the crest and continue until just past turn in.

Turn 8 The Corkscrew. Turn in is late to go straight down the hill. The drop is blind so look toward the oak tree that is close to the track to line up for the bottom of 8a. As you head toward 8a, apply some throttle to help shift weight to the rear of the car.

Turn 9 Rainey Curve is a fast downhill sweeper. Be about a car width from the right at turn in. Brake only hard enough to allow the car to turn in. The turn is blind so don't turn the wheel too quickly. Speed is fast at exit and the car often feels like it wants to slide. Do not lift.

Turn 10 comes quickly. Braking is harder than it looks like it should be. You drop into a bowl so the car picks up speed quickly. After turn in, return to speed quickly so the car does not become loose.

Turn 11 is the slowest corner on the track. Start braking early. It is very much a slow in, fast out approach for the front straight.



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90 dbA at 50 feet.
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 Make it quieter than stock.
 Includes intake system.

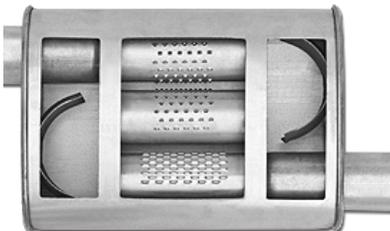
WeatherTech Raceway Laguna Seca has new sound rules. Make the car quiet. Always test under load. Not sitting in a driveway not moving. Even stock mufflers may fail! Install "turbo-style" mufflers. Not straight through mufflers. Install many mufflers. Install the stock intake system back on the car. The intake roar will add to your number, and will sometimes cause a high db reading. If in doubt, add another muffler. Point the exhaust outlet up, and drivers left. Use brand new mufflers. Older mufflers can burn out from racing, becoming louder.

Google Search "Laguna Seca Pipe" for some craziness



Walker Quiet Flow SS is a free flowing OEM style muffler. It is quiet and still flows well. You still may need another muffler (not a resonator) inline to help quiet the exhaust further. Made to fit most cars. Get the largest you can fit.

A few "Turbo" mufflers in-line may work. May still be loud.



Dynatech 780-01100 Exhaust Turndowns are a good at making sounds quieter before they leave the exhaust. Point drivers left and up.



Dynatech Vortex Insert Cones add very little backpressure and reduce the exhaust sound. They can be inserted into the header collector or exhaust pipe.



SuperTrapp disc diffuser type exhaust tips work surprisingly well without adding too much backpressure when sized correctly.



Flow through style and glasspack style mufflers may sound really good at Cars & Coffee meets, but they will fail sound at WeatherTech Raceway Laguna Seca. The glass pack will burn out rather quickly and they will be loud. Import style mufflers are also in this category. They will exceed the sound limit and fail.

FLAG TRONICS

Quick Start Guide



1. Mount flagging box in a suitable location within view of the driver.
2. Plug in the main harness cable to the back of the unit, then power the unit with either the USB plug (cigarette lighter adapter) or 12V using the Orange(+) and Black (-) wires.



3. Mount antenna on roof of car or on dash with a clear view of the sky and route the cable to the unit. GPS should face the front of the car. Plug in the GPS antenna, located on the right of the unit.



Powering ON

- Unit automatically powers on when power is applied, during pit stops there is a battery which can power the unit for up to one hour.
- Unit turns off after 30mins if there is no external power.
- Hold the top front button for 5 seconds to manually turn off the unit.



Brightness

- Unit has a light sensor to dim the screen at night.
- Pushing either front button will cycle through 3 brightness levels.

Pit stops

- Upon entering the pits unit will display the current pit time in the color of the current flag.
- After 10 minutes unit will display minutes only



Green Flag

- After 30 seconds of GREEN flag the display will dim and show a green checker pattern to save power. YELLOW and RED remain full screen.

