

# **WELCOME!**

Spring Mountain Charleston Peak North Course High-Performance Driver School Safety & Technical Seminars March 31 – April 2, 2023

Audi Club North America - SoCal Chapter Serving Southern California & Southern Nevada

www.audiclubsocal.org/spring-mountain

Audi Club HPDE is presented by **TOYOTIRES** 

This Online Drivers Meeting © Audi Club SoCal 2019-2023



### First and foremost!

- This is not a race, a racing school, or practice for racing.
- There is nothing that we do in the next two days that can even remotely be construed as competition or a speed contest.
- In-car display of lap times is not allowed, but recording your own Video and Data for after-session analysis is okay.
- This meeting will discuss our club's Culture, Event Logistics, and Safety!



#### Now that we have *that* out of the way... What <u>is</u> this Event all about?

- We will
  - Be Safe
  - Have Fun
  - Learn Something New about your car and about yourself
- What you learn over the next few days will make you a more aware and safer driver.
- I promise you will *never* look at a freeway onramp the same way again!



- How will you Learn?
- Online Study
- Meetings
- Classroom
- Car Control Exercises
- Trackside Talks
- Track Driving



#### What to Expect

- Friendly people
- Awesome cars
- A low-pressure learning environment.
- Improving your driving skills and having a total blast!
- It will be a busy and fun time. Read the schedule
- Plenty of Help if you need it.



## Who are your fellow Drivers?

#### You are among Audi and Performance Driving Enthusiasts

- Drivers hail from NorCal & SoCal, Nevada, Washington, Utah, New Mexico, & Indiana!
- Twenty-two drivers in their first event with us.
- Seven drivers in our A class.
- We are proud that Audi Club culture attracts many spouse/sibling/parent/child participants!



# What's New in 2023?

- New Track Charleston Peak North CW.
- Track Walk at S/F at 4:30 PM on Friday. Everyone is welcome.
- Trackside Talks continuing our HPDE seminars.
- Hospitality
  - Meet-and-greet reception Friday in the CP Garages after the track walk
  - Gala Banquet **Saturday** in the Clubhouse.
- The track's Gate Fee is now \$20 cash.



#### **Event Sponsors**

- Toyo Tires is the national presenting sponsor of Audi Club HPDE
- Audi Club Golden Gate Registrations for AudiTron
- Winding Road Racing –5% ACNA member discount in-store only.



#### Introductions

- ►Eventmaster
- Chief Instructor & Safety Steward
- ►Grid Marshal
- Event Check-In
- ►A-Beginner Classroom
- ►A-Exercise Leaders
- First Timer Advocates
- ►Hospitality
- Post-Session Downloads
- Trackside Chats Ron Ross, Larry Whitney, the Vogels

Bill Vogel Alex Whitney Cris Olariu Ben, Ava & Tristan Payne Deeno Deenihan Nick Kuilema & Celeste Ward Ned Wilson & Carrie Yutzy Zeke Woolley PJ Woolley



#### **Event Logistics**





# **Before Arriving**

- Confirm your room reservation.
- Email your Tech form
- Sign the SpeedWaiver
- First-Timers and Instructors meetings last night
- Meet your Student / Instructor via DrivingEvals.com.
- **Performance Driving 101** webinar.
- Study the track <u>www.audiclubsocal.org/spring-</u> <u>mountain</u>.
- Driving directions from LA and Las Vegas are on our website.



### What to wear & bring?

- Outside your car
  - Layers conditions change from cold to pleasant
  - Sunscreen, Sunglasses, Hat, folding Chair, Drinks & Snacks, PPE.
  - Quart of Oil, Tire pressure gauge, weights for shelters.
- Inside your car
  - Approved Motorsport Helmet \*required
  - Practical closed shoes with a flexible sole \*required
  - Long-sleeve cotton shirt and long pants, driving gloves.
  - Cameras must be firmly mounted, no handhelds.
    Cameras are recommended for Friday & X/Y group drivers



## In the Morning

- Eat a good breakfast before you head to the track.
- Spring Mountain is about a 10+ minute drive from central Pahrump, east on NV-160.
- Arrive at the gates with a **full tank of gas**!
- Obey the 35 mph Speed Limit in town on NV-160 – it is *s-l-o-w* and this is a Strict Enforcement area!



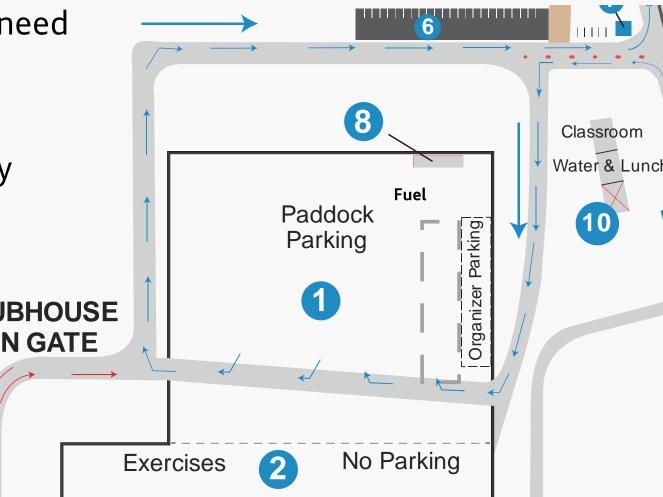
#### **Arriving at the Track**

- Arrive <u>no later than</u> 7:00 AM. There will be a line. Gate is attended 24 hours.
- Pay the **GATE FEE** \$20 per person in CASH.
- Sign Spring Mountain's liability waiver and get their wristband.
- Keep the wristband on all event so you may reenter without being charged again.
- Follow the signs to Charleston Peak's paddock, map on website



#### **Arriving in the CP Paddock**

- **Park** in the Paddock and unload your car.
- Arrive *early* if you need to do any car prep. Things get busy after 7:00 with check-in and safety briefing!
- Note oneway traffic pattern to get to and from the track.
   Note oneway traffic TO CLUBHOUSE & MAIN GATE





#### **Once you are Parked**

- **Check-In** at the **Classroom** in the north (left) side of the CP Garages. They are located NE of the paddock.
- Show your driver license and SpeedWaiver. Turn in your signed Tech Inspection form if not already email to us.
- You will be issued your **Driver Packet**.
- Hang around, because we will take a group photo at 7:20 AM on Saturday, followed immediately by the mandatory final Safety Briefing.
- Your guests must also show / sign the SpeedWaiver and be issued a guest wristband.



# What's in my Packet

#### At check-in you will get:

- A plastic Badge Holder and lanyard for you. Wear it!
  - Name Badge with run group & car number, a track map with Passing Zones is on the back; goes in the top pocket of the badge holder.
  - Schedule. Fold in quarters so the current day's schedule shows on both sides; goes in the bottom pocket upside-down.
  - Meal Tickets for you and your guests
- Adhesive vinyl Car Numbers, Run Group Letter, and Tech Sticker for your Car.







# After the morning briefing

- Your Wristband for track entry is issued at the conclusion of the safety briefing, so be sure to attend!
- Apply your **Vinyl Decals** Clean your car surface so they will stick. See handout on website for location.
- Remove all **loose items** from your car.
- Do a **final check** of gas, oil, & coolant levels, tire condition & pressure, wheel bolt torque, clean the windscreen, etc.
- If your car has <u>Active</u> Driver Aids, please review how to disable the nannies.
- If yours is an electric car, review the Make Safe method.



### **Familiarization Laps**

- Friday See the track and its environment. The first session is three helmets-off low speed laps <50 mph in small groups behind pace cars.
- Saturday A/B drivers will ride with your instructor for a couple of laps to see the track at pace before heading to class. Wear your helmet.
  - **A-Beginners** meet at your instructor's car before the start of the first **X-group** session.
  - B-Novices meet at your instructor's car before the start of the first Y-Group session.
  - Everyone else check the schedule for your sessions.



#### Meals at the Track

- Buffet lunch each day is at the center CP Garage.
- Guest Meals tickets will be in your packet.
- Drinking Water will be available all day in the center CP Garage.
- Meet-and Greet Friday in the CP garages.
- Banquet Dinner Saturday in the Clubhouse
  - Dress is casual. Remember to Bring your Dinner Tickets!



# Safety

Safety is an Attitude. YOUR attitude! Safety depends on the Decisions YOU make.



In the paddock



Entering and Exiting the grid and hot pits



On the track



### Paddock Safety

- USE COMMON SENSE!
- SLOW speeds in the paddock! 10 mph (First Gear)
- ALCOHOL / DRUGS None which might affect safe driving, legal or not. No open containers prior to 5:00 PM, incl Guests.
- No DRONES (aerial cameras)
- Protect the ASPHALT in the paddock
  - Use pads under jack stands and trailer jacks
  - Let the track know about any spills and they will clean it with their oil absorbent – don't use dirt!
- LITTER When you see trash, pick it up and put it in the trash cans located throughout the paddock.



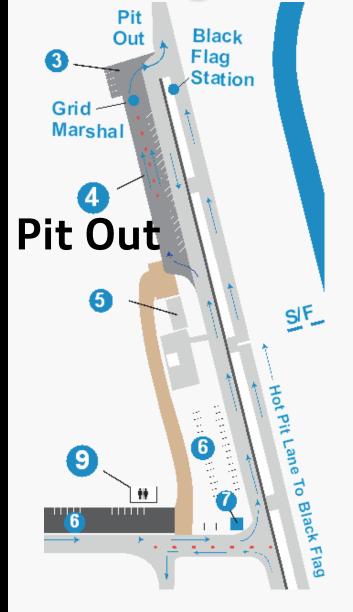
### Before going onto the track...

Double Check Yourself, Passengers, Car:

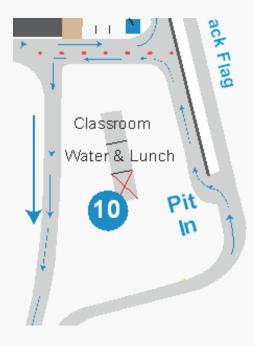
- Helmets Strap securely fastened.
- Seat Belts Buckled and Snug.
- No loose items.
- Plenty of fuel. You go through a L-O-T of gas!
- Front Windows open all the way (yes, even if it is raining). Sunroof and both Rear Windows fully closed.
- If there are two people in a car, one of them <u>must be</u> <u>an event instructor</u>.



Getting to/from Track from Paddock



If you've run here with other groups, be aware that Spring Mountain is testing a **NEW** and **DIFFERENT** oneway traffic pattern for this event.



Pit In



#### **Arrive at Grid**

- Arrive to the Grid staging area at least five minutes before your session starts.
- Only Enter the Grid when you are ready to go helmeted and buckled with your instructor and enough fuel in the car.
- The Left Lane is released first, Right Lane second.
- We are NOT gridding in the hot pit lane. The hot pit lane is for black-flag traffic only.
- Be Courteous to other drivers and staff. Yes, your car sounds great, but <u>No Loud Launches</u> from the Grid.



#### **Entering the Track Safely Respect the Blend line!** You are merging with *F-A-S-T* traffic exiting T1. Keep left *through* T-2. Be alert for cars entering as you pass S/F. • **ENTER** Pit Out traffic $\rightarrow$ /Blend Line T2 **Clear Sight-Line from Front Straight** to Pit Out traffic **T8** CW Pit Out Grid Exit



## First Session of the Day

- Take it easy! This track is blind & technical! Don't be in a hurry.
- The first lap or two of the day will be under yellow flag NO PASSING under Yellow!
- Familiarize yourself with the track conditions and report any safety issues you see to staff at Start/Finish/Black Flag.
- Early morning in the desert is <u>cold</u>. The track is <u>cold</u>. Your tires are <u>cold</u>. Your <u>brain</u> is <u>cold</u>. But the air is dense... so your turbos are <u>strong</u>!
- Use good judgment...



# Spring Mountain Light System

Charleston Peak has a <u>new</u> light system.

- They closely mimic traditional track flags.
- There are lights at many of the corners.
- The lights are controlled from the tower located between T5 & T10.

There will also be corner marshals with flags.

SMMR Light	Meaning	Equivalent Flag
	Course is Clear	No Flag
	Course is Clear	Green
	Caution; No Passing	Yellow
	Faster Traffic Advisory; prepare to allow pass in the next passing zone	Blue with Diagonal Yellow Stripe
	Stop Safely on Track in view of Light or Marshal	Red
	Slow Vehicle on Track, Pass with Care	White
	All cars Return to Pit Lane (return to Paddock if near end of session)	Black Flag All
#	Car "#" see Staff in Pit Lane. (Do NOT return to Paddock)	Black Flag for single driver
#	Mechanical Problem w/ Car # - Move off the paving if leaking Exit to Hot Pit.	Black with Orange Dot ("Meatball")
	Surface; Foreign Object or Slippery	Orange & Yellow Stripes
	Session Over; Exit the Track at end of this lap	Checker



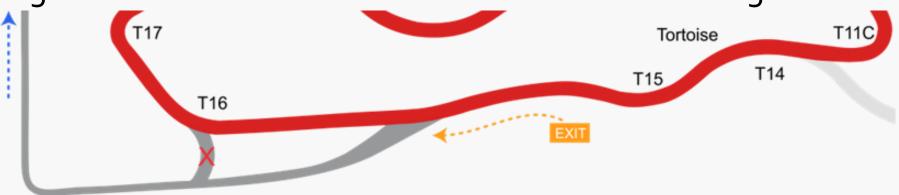
## **End of Session**

- Checkered flag = last lap. Exit your FIRST opportunity.
- No Passing under Checker.
- Knock off a tenth and drive a great Line.
- The next group is waiting, so maintain a brisk pace & clear quickly.
- S-L-O-W speed in pit lanes and in the paddock.



## **Exiting the Track Safely**

- Exit is on driver's left, just after the blind climbing esses (T14 & T15).
- Fisted Arm <u>all the way Out & Up</u> when pitting let other drivers know what you are doing!
- Move all the way to the left exiting the final left-hand un-named ess. Cars may be passing on your right at speed and moving left for turn-in to T16. Once you've signaled DON'T CHANGE YOUR MIND about exiting!



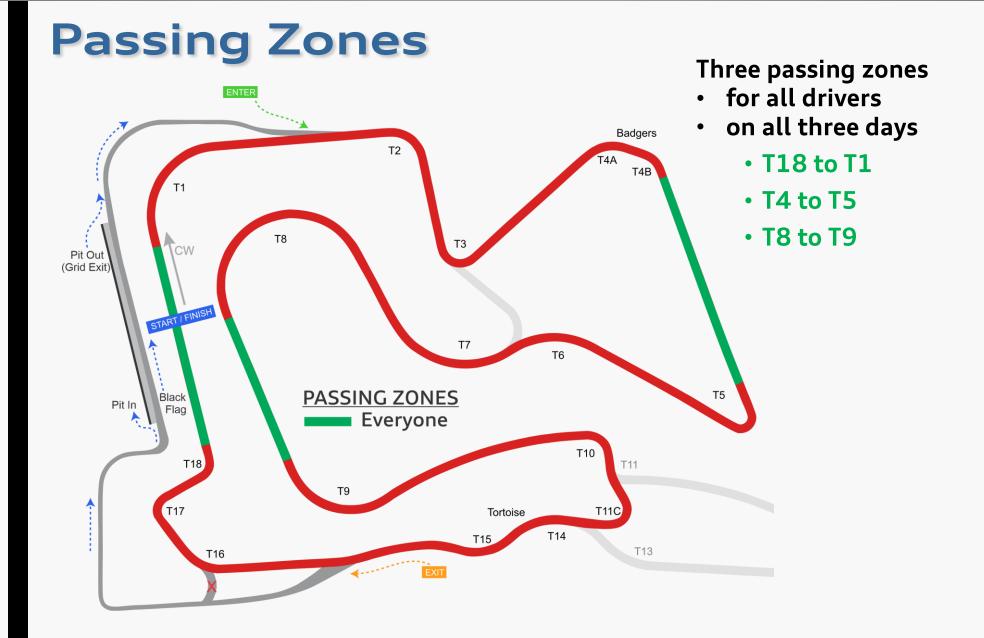


#### Let's talk about Safe Passing

Audi Club SoCal uses the **Point-By method** for permission to pass. See the Passing Handout on our website. You may Pass ONLY ...

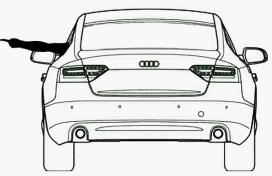
- ... in an approved passing zone for your group.
- ... with the permission of the car being passed.
- ... on either side as directed by the car being passed.
- ... if you can complete the pass in the passing zone
  - No side-by-side while turning be back on-line before the braking zone / turn-in.
- ... there is no passing under Checker Flag.



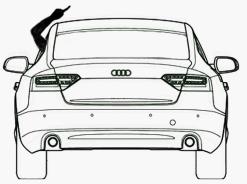




#### Passing is by Permission Only



Allow a Pass on your Left



Allow a Pass on your Right

#### Car <u>being</u> Passed

- The slower car controls the pass.
- Only signal a pass inside a passing zone not before.
  - You may give an optional courtesy Mirror Tap to let them know your intentions prior to the zone.
- Be predictable! Complete the turn and stay on your normal line. <u>Don't pinch</u>\* the exit of the turn.
- <u>Do</u> LIFT off the throttle, but only as much as is required to expedite the pass <u>don't brake</u>

# ← Use a <u>Point-By</u> to indicate the side you want the faster car to pass you on.

- Point with your arm completely out the window.
- For multiple passes, give a separate complete point for each car. Separate means <u>arm in</u> and then back out.

\*pinch = sharpen the turn; fail to track out completely



Passing is by Permission Only No Pass

Pass

#### Car making the Pass

- The faster car is responsible for a safe pass!
- Only pass in an approved passing zone.
  Complete the pass and be back on-line before the start of braking.
- Only pass if the lead car gives <u>you</u> a Signal.
  Violators will be black-flagged for passing violations.
- For multiple passes, be sure the slower car gives a separate Point-by for <u>your</u> pass.
- ALWAYS Pass on the side that is Pointed to (or the side of the signal if getting a Blink-By)
- Move back onto your line after safely passing. Give the car being passed plenty of room. DO NOT CUT THEM OFF!
- "Wave Off" and do not make the pass if it cannot be completed safely or courteously.



### Tips for a better time

- Be early to all track, seminar, and class sessions.
  If you arrive "on time"... you're probably late!
- Know where you are supposed to be. Listen to PA for announcements and updates.
- "Fun" in moderation each evening. Get plenty of rest. This activity takes more out of you than you think.
- Eat a **good breakfast** before arriving at the track.
- Drink lots of water don't bonk! Start hydrating early. Drinking Water will be available at the track.



# 2023 Audi Club HPDE

#### Audi Club Southern California Chapter (ACSC.motorsportreg.com)

- Buttonwillow HPDE on the NEW CIRCUIT TRACK??? November 17-19, 2022
- Central Coast Scenic Drives Facebook/AudiSoCal & AudiClubSoCal.org

#### Audi Club Golden Gate Chapter (AudiClubGoldenGate.motorsportreg.com)

 Thunderhill (Auditron HPDE) Jun 9 - 11, 2023

#### Audi Club Northwest Chapter (AudiClubNW.motorsportreg.com)

• Five HPDEs at The Ridge, Pacific Raceways, PIR, and Area 27!



# BE SAFE! Have Fun Learn Something New WE ARE GOING TO HAVE A GREAT TIME!