

Free Stuff to Make You & Your Car Faster - Chat Log; November 1, 2018

Hour	Minute	Second	Name	Message
0	0	20	Ralph	Ralph from Ottawa, Canada
0	0	22	Frank	Hello, this is Frank Hanrahan
0	0	31	Robert	Good evening from Ringwood, UK
0	0	36	Tim	all good here
0	0	45	Jeff M	HI Ross & Jeff
0	0	46	David	Hello from Dave in Delaware
0	0	48	Tom	Tom Hale from Northern Maine, nothing yet
0	0	58	John	hello.
0	1	3	Don P	Hey folks
0	1	4	Forrest	Hello everyone
0	1	9	Richard	Dick in Washington state
0	1	11	Larry	Hello from Larry in CT
0	1	13	Blake	Hello from Salem
0	1	16	Linda	Hi Everyone!
0	1	16	David Vrane	hi
0	1	17	John	John from Pittsburgh PA here
0	1	22	bruce mckenzie	Bruce Australia
0	1	26	Ken	Hey guys.. good evening.. frozen face is not a bad thing sometimes.. Congrats On Colins accomplishments this year..
0	1	28	Pat	Webcast is solid in Dallas.
0	1	29	Noah Wheeler	Hello from Cal Poly Racing
0	1	30	Lenny	Hello from Ma.
0	1	31	David	Hello from David Arken San Jose
0	1	46	Matt Romanowski	Hi Everyone! Looking forward to tonight!
0	1	51	Ted	Ted from Ann Arbor MI; Ross's video is good
0	2	5	Bruce	At VIR in Virginia and looking forward to possibly implementing tomorrow.
0	2	52	David	uho Just saw Roger last night
0	3	10	Richard	Hi DAVID A.
0	3	38	Robert	Bob Urdal, Dvidsonville MD urdal@aol.com
0	4	8	David	Roger did say race teams lose more races than they win
0	4	22	Bryant	Hello from Silver Spring MD
0	4	31	Dave	Hello, Dave Ogburn from San Angelo, TX. Video/audio good so far. Thanks.
0	4	45	Steve C	All good in Canandaigua,NY!
0	4	58	Dietrich	Hello from Reno, NV!!
0	5	3	Noah Wheeler	50\$ or less is great because we are a bunch of broke college students
0	5	30	DaveC - Texas	Howdy y'all. We're headed to COTA tomorrow for the SVRA practice sessions. Perfect weather here.
0	5	33	Ben Wedge	\$50...that fits my racing budget very well!
0	6	36	Bill G.	yes recorded
0	7	18	Alexander	DaveC - what race group?
0	7	50	DaveC - Texas	"Spectator" group
0	8	12	Linda	next season is next weekend

0	8	55	Hank	If a car is heavier on one side than the other, should I set car so cross weights are 50/50 or so that front wheel weights are 50/50?
0	9	4	Ben Wedge	7 post testing for less than \$50???
0	9	12	Bill G.	Jeff can you share an actual year end review notes?
0	11	31	Doug	too much...
0	11	38	Oli	How much did I spend last year?
0	11	58	Oli	I thought that is a question we are never supposed to ask or answer. ;-)
0	14	8	Linda	We earned a bunch of very expensive trophies lol
0	14	26	Noah Wheeler	ty-rap=ziptie right?
0	15	53	Mark	You should leave one full thread exposed, not cut down to the nut.
0	16	7	David	"Sweat the small stuff, it matters" Carol Smith
0	17	49	Frank	My son works on those Porsches for Core.
0	18	12	Bryant	Great information so far!!! Thanks
0	18	16	Larrymy car is zip tied together.....
0	18	25	Jason	For HPDE guys, I would think the similar thing would be to do post event inspection on the car. Look for wear/stress on bushings, mounts, etc in addition to tire and brake pad life. Just a thought I had.
0	18	57	David	If you don't use a tie wrap and you cut out brackets do use hose clamps ?
0	22	31	Larry	Great advice.....I made a load list after I had to return home to get things I forgot my last two races of this past season.
0	23	2	David	SCCA events...read the supps...
0	25	3	Bill G.	Jeff, you like paper or digital list?
0	28	9	Ben Wedge	DATA!
0	29	46	Linda	Virtual Track walk got me third at Indy and I had never raced there before!
0	30	28	David	For HPDE pre-event preparation to a reasonable depth is rare. "It is not always possible to be the best, but it is always possible to improve your performance." Jackie Stewart
0	30	55	David	at SCCA World Challenge I would sit at scales and write down competitor s weights
0	31	10	Pat	Jeff, what do you mean by "technical review" for notes purposes (separate from the other bullet points)?
0	31	32	Tim	Shout out to Level 5 @ madison wisco
0	32	29	Noah Wheeler	but don't get caught
0	34	16	David	Smokey Yunick comment....if it is not in the rule book, it is legal
0	35	35	Noah Wheeler	@Claude
0	36	2	Ken	Ross you need to buy Jeff a dinner for the promo :)
0	38	14	David	Make a SWOT chart (Strength, Weakness, Opportunities and Threats) for yourself AND your competitors. This is a very good summary of the stuff that matters. Then the key part is to assemble the implications (the so-what). It's the so-what that matters

0	38	57	David	go to drag race tracks and look at trap speed
0	42	4	Ben Wedge	Do any of the top level teams utilize 3D printing to make quick/custom parts?
0	42	33	Oli	For Coast Down it seems understanding the wind conditions is imperative.
0	42	53	Noah Wheeler	@ben wedge Redbull F1 did it this past week. 3d printed little fins for the undertray glued the onto the undertray
0	43	29	Noah Wheeler	Penske racing has a Stratasys (3d printer company) partnership and brings one to racwes
0	43	41	Ben Wedge	yeah..i 3d printed a bunch of stuff for our enduro car. I was just curious if big name people did
0	43	55	Robert	that's cool! Worth the money already
0	44	43	Robert	I view less aero drag as free HP.
0	45	22	Noah Wheeler	walmart parking lot middle of the night. perfect for coast down
0	47	35	Noah Wheeler	What % difference do you roughly get between windtunnel and coast down. Ball park number?
0	49	49	Noah Wheeler	Is that the TIRF/Cal Span machine?
0	50	9	Ben Wedge	if your spring rates are known can you do the same thing and just use the spring constant to calculate the downforce?
0	50	45	Kevin	you would need to know wheel rates.
0	52	28	Noah Wheeler	Yeah I went over the summer for FSAE. Crazy. We have to make our own curves though
0	52	41	Scott	15 tires and \$50K, sounds like a kickstarter project for large group of people who want some data
0	53	28	Tim	Got the old tire rick down!
0	55	11	Noah Wheeler	What about if its autox/attack and competition is a quick run where you are on new tires only for 20 miles max
0	55	42	Casey	when would you say it is unsafe to run a tire? Tread depth dots?
0	56	13	Mark	We run tires until you can see cords!
0	56	53	Frank	What about the age of the tires in months? Do they get to the point where they have cured too much, may come apart?
0	57	15	Mark	I set my best times this year on 4 year old tires.
0	57	46	David	That threshold braking tells you a lot about bias also
0	59	53	Daniel	Tirerack has a care and feeding guide for several of the most popular track/autocross/R compound tires
1	2	6	Noah Wheeler	Do you know of any west coast shaker rigs? I haven't really been able to find any west of the Mississippi
1	4	41	Tim	lol @ ross
1	5	5	cary	You do this with a load cell too
1	6	44	cary	https://honda-tech.com/forums/road-racing-autocross-time-attack-19/diy-shock-dyno-2325055/
1	8	38	Pat	It sure would be nice if "Shocks for Drivers" was a gimme for folks who have attended 4 or more webinars this year... :)

1	11	59	Alexander	I find it useful to write down also WHERE you will find the confirmation that the plan was followed in the data. Using Race Studio, we build the profiles to analyze that before we get to the track
1	12	43	Rob J	What App do you use for track maps?
1	15	35	cary	pictures of tires loaded in a corner are really informative too
1	16	16	Howard	I run Spec E30 BMW and this year, NASA rules changed to allow a spec coilover setup. Guys complained about handling because they were setting ride height too low, so I've erred on the side of a little high. Any recommendations on hitting the optimum ride height?
1	16	59	David	If you want to be a good starter learn to run hard on cold tires, start every sessions as if it were the start of a race slow lap to get a little heat in tires and brakes then act like it is a start.
1	18	34	David	I would photograph every car on the grid
1	19	30	Dave	good site for track maps - http://www.racingcircuits.info/ - helpful for multi-config tracks
1	22	49	Ben Wedge	totally stealing that nylon bolt idea for our honda.
1	27	18	cary	Good software to compare video https://www.kinovea.org/
1	28	18	David	good point...bring your shop repair manual
1	29	6	Hank	How should one proceed if using a skid pad to setup vehicle?
1	30	28	Tim	Jeff, been awesome! Thank you!
1	30	36	Brian	x2 on Hank's question - a test plan for a skid pad session would be great!
1	30	50	Howard	Excellent stuff Jeff!
1	31	15	Ralph	Cool stuff!! Lots to learn from this so far...
1	32	23	Jeff M	Thank you Jeff. So many great ideas we can actually use.
1	32	46	Robert	apex everything
1	33	13	Ralph	Problem solving: How do we pin point what worked if we made 3 adjustments to fix a problem from a list of 5 ?
1	35	22	Bryant	Thanks Jeff!!
1	35	58	Frank	Ralph - make one change at a time. It's the only way.
1	36	39	Matt Romanowski	a great video comparison is comparemylaps.com
1	37	30	Alexander	Ross, where on your website are these track maps?
1	38	44	Robert	weather conditions should be part of the track map notes as well. Was at Autobahn years ago running Kuhmo XS with temps well above 100 degrees outside and felt the tires go away.
1	38	48	Linda	Hydrate before the event and log your fluid intake
1	39	44	Ben Wedge	how valuable are the discussions between co-drivers?
1	40	2	Robert	@Linda, yup. Pee should be clear. if you're hydrated enough.
1	41	0	Jason	I just found a website for track maps - https://www.raceoptimal.com/ there are racing lines on here...just saw MX5, 911, Motorcycle and F1 car for Sebring. Pretty awesome...thought I'd share :)
1	43	9	Richard	Isn't that car specific though? Each will feel somewhat different?

1	43	24	Brian	Re hydration - need to start well in advance of race weekend. I would do that but always get too busy to remember to drink enough during the weekend. Instead of smaller water bottles started buying gallons and labeling them by day so I could easily see if I had finished my "friday" portion yet. Sounds dumb but helped a lot when you are busy trying to concentrate on the car and your driving
1	43	43	Bryant	Im going into my cardboard recyling bin in the morning, I love that idea!
1	45	2	Jason	I've recently brought water and pedalyte to the track with me. The pedalyte seems to work amazing, at least for me.
1	47	13	Ben Wedge	I've got an endurance race next year in the middle of July. Any budget tips for driver cooling?
1	48	14	Frank	I think it was Peter Greg who said "It's not when you get on the brakes, but when you release the brakes.
1	51	25	Alex	I get "distracted" by long straights.when I do MI. I found that watching videos and focusing on the background (the nothing) has helped me
1	51	53	Howard	When I played golf more seriously, I used to re-play a round in my head the evening after I finished a round, or the night before I played an entire round at the course in my head.
1	52	33	Alex	Of course, you can just skip the straights when doing MI
1	55	10	Robert	I try and make my cool down lap the perfect lap as far as hitting all my marks.
1	57	17	Bob	what is the advantage of racing shoes?
1	57	20	Noah Wheeler	"I wanna go fast fast" - Ricky Bentley
1	57	28	Bryant	Triggers are so helpful.
1	57	52	Robert	"Magic man"!
1	58	49	Brian	Bob - aside from not letting your feet burn ;) the thin soles help to more sensitively monitory pressure on the pedals. They are also smaller which is critical is smaller foot box areas
2	0	5	Jeff M	Bob, a hard sole of the shoe is important for high pressure on the brake pedal
2	1	41	Tim	Jeff, Ross, this has been phenomenal. robin, thank you. very grateful these notes etc be available to us later.Thank you all. awesomeness!;
2	1	44	Joe	Yes, a mental imaginary webinar would be great.
2	2	9	Tom	I get my kart set up by the kart guru, left, rights, and cross. I go to the track and I do not know what to change. Is the stop watch a first step? Tire pressures and temps important? I feel dumb in regards to what I need to do.
2	2	33	Matt Romanowski	maybe just a template?
2	3	17	Ken	Jeff B is pretty good ventrilaquist..
2	3	31	Frank	how to maximize simulators
2	4	42	David	do you solder wires or crimp/ or crimp and solder
2	4	50	David	I heard a story where Porsche was upset with Al Hobert who put on two coats of paint on his 962

2	5	23	David	do you have a favorite data system?
2	7	6	Alex	Question about MI that I wrote about earlier. How important is it to "drive long straights" when doing MI? I tend to skip to just before the B.P., and continue of course to just past corner exit
2	9	18	Frank	can you give examples of weight loss and time. for example if I cut 30 lbs off a 1200 car, how much time will I gain?
2	9	36	Noah Wheeler	Got it. Makes sense thank you.
2	10	53	Linda	Unsafe? It depends on the event type? Ask the guy who crashed his GT3 at Daytona when the inside of his tire was corded and he didn't notice at HPDE weekend
2	11	15	Noah Wheeler	Would you run a tire with a slow puncture?
2	11	52	Noah Wheeler	(Hoosier slicks)
2	12	9	Linda	But if I am racing an enduro at PBIR, my left front could cord but it is calculated risk in a race situation. Pit and lose time or go for a win
2	12	15	David	How about the number of heat cycles in a tire? Any rule thumb?
2	12	19	Alex	The Racing & High-Performance Tire: Using Tires to Tune for Grip & Balance by Paul Haney will help you with that question
2	14	5	Matt Romanowski	there is a shaker in Indy
2	14	8	Tom	ARC in Indy has a shaker rig
2	14	12	Rob J	Thanks Guys! Great session!
2	14	33	Linda	great info on the slow puncture
2	16	29	Howard	I run Spec E30 BMW and this year, NASA rules changed to allow a spec coilover setup. Guys complained about handling because they were setting ride height too low and hitting the bump-stops, so I've erred on the side of a little high. Any recommendations on hitting the optimum ride height?
2	17	29	Robin Bentley	Hi Howard. I did write down your question from before, so Ross should get to it shortly. :-)
2	17	59	Robin Bentley	There we go!
2	19	35	Linda	I race a f2000 car. How can we better understand the rear wing adjustments?
2	23	33	Bob	;Thank you. Will a transcript of the Q&A be sent out. On EST. Have to get some sleep for work in the morning.
2	24	9	Ralph	Thanks for expanding on that!
2	27	22	Robin Bentley	Bob asked if a transcript of the Q & A will be sent and the answer is Yes! It will go out tomorrow with the video and slides to everyone registered.
2	31	2	David	Ross do you have any good techniques to teach people to focus on EoB when all they have ever been taught is look for that marker on the side of the road looking away from the apex?
2	31	31	Tim	Great explanation, EoB. Thanks.
2	40	1	Noah Wheeler	i guess we learned the awnser to the oreca ac question
2	40	8	Ben Wedge	THANKS!

2	40	9	Noah Wheeler	dont worry we wont tell
2	41	5	Jeff M	This was very informative. Thank you guys.
2	46	21	Linda	excellent thank you
2	49	38	Frank	think its goog for a driver to use a predictive lap display, or MPH at turn exit, as a way to monitor performance?
2	50	33	Frank	do you have an opinion of the APEX Pro-digital driving tool.
2	51	53	Noah Wheeler	if you had a parking lot, would you set up a modified skidpad hat is more for transient or would you just setup a proper track at that point?
2	52	7	Tom	Great webinar, cannot wait to write about this! I would recommend these to others. Thank you from UpNorth Motorsports
2	52	33	Ralph	Thank you Ross / Robin, Jeff, great stuff!
2	52	44	Terry	Two thumbs up, well worth it. Looking forward to the next Webinar.
2	52	51	Noah Wheeler	Thank you guys for your time. Very valuable!
2	53	30	Larry	Great job. Really enjoyed it.
2	53	42	Blake	Most informative session, Thank you!
2	54	18	Frank	thank you for tonight!
2	54	51	Robin Bentley	Noah, feel free to email Ross with your question after the webinar. :-)
2	57	28	Richard	thanks so much! very helpful!
2	57	28	David	Thank You
2	57	29	Linda	awesome webinar! thank you!
2	57	31	Kevin	Thank you everyone
2	57	33	Doug	thanks!
2	57	36	cary	Thanks Ross & Jeff!
2	57	37	David	Thank both...very informative!!!!
2	57	38	Hank	Thanks guys. Nice webinar!
2	58	1	Blake	very nice thanks again