

Smoke Signals

Smoky Mountain Region Porsche Club of America

April 2009

St. Patrick's Day Social Big Success

Club members gathered at Mulligan's Restaurant on Tuesday, March 17 for dinner and refreshments. We had a total of 18 members and one guest. Mulligan's had live music that evening and they were very busy but we managed to fill up a large table. We even managed to pick up a new member. I had received a phone call from Mr. Monroe Snyder. He is relatively new to Porsche, having previously owned other cars, possibly even a Corvette. Any way, he had a great time and told me a week later he did in fact mail his membership application to PCA. Congratulations Monroe.



Vic Rola gets a fashion tip from wife Carol



The Group having fun

Car Cleaning Tech at European Auto Garage

We had a great turnout for the car cleaning tech on March 28 at European Auto Garage. Eighteen club members attended and we enjoyed a spirited exchange of ideas and tips. The tech focused on basic cleaning idea as well as advanced techniques for those wishing to move up to concours prep. We had several new members, both transfers and actual new PCA members, which is excellent. We thank them for their participation. We also would like to thank the fine folks at European Auto Garage for the use of their facility. The weather was less than great but fortunately the session was indoors.



Scenes from the car cleaning tech session at EAG

2009 Officers

President

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865-356-9107
smt�pres@comcast.net

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865-579-9001
rmp964@comcast.net

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hutchib@knology.net
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865-482-3746
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865-573-3786
privat@hansjoerggoeritz.com

Upcoming Events

April Events

April 4: Driving/Autocross School. Pellissippi State CC. School begins at 9 AM.

April 4: Wine Tasting/New Member Social. Concord Yacht Club 6 PM

April 5: Open Autocross at Pellissippi State CC. First Car Off 11 AM

April 13: Membership/Executive Council Meeting, Mancino's Restaurant.

April 26-26: Spring Thing, Vonore, TN

Appointed Chairpersons

Autocross

Rick Brooksbank
865-376-2720
brooks944@comcast.net

Webmaster

Greg DeBord
865-537-1440
greg@debordsystems.com

Membership

Vickie Marsh
865-604-2121
blue930@comcast.net

Safety/Technical

Open

Goodie Store

Tim Carpenter
865-983-6555
carten@msn.com

Spring Thing

Vic Rola
865-470-2935
vicrola@knology.net

Newsletter

Open

Awards

Open

Social Events

Cathy Hutchins 865-690-4811
Mary Nell Bieler 865-980-9181

Pano Correspondent

Open

Historian

Warren Sylvester
865-470-8238

Publicity

Open



St. Patrick's Day Social



Car Cleaning Tech Session EAG

From The President

April, a big month for the club.

We have our first autocross, weather permitting. We have the wine tasting/New member social, an open autocross, and our Premier event, Spring



Thing. Registrations are coming in quickly for Spring Thing so if you want a spot, you better send your reservation to Vic soon. Also, make sure you contact the hotel to get a room. The autocross season should prove to be very exciting. I want to thank Jonathan Foulds for stepping up and leading the school and the autocross program. His knowledge and leadership is proving to be invaluable. I would also like to thank European Auto Garage for their sponsorship of the series. Their support makes the series more successful. We have upgraded our timing system and now have a lighted timing board for instant notification of times, which should prove to be very exciting. I also appreciate Miles Slattery stepping up to serve on the autocross committee. Miles is the kind of person we need for the future. Please offer him your assistance.

Membership is absolutely booming. I know of two new members just in the last week. See the full membership update later in the newsletter. We might actually exceed my membership goal for the year.

The wine tasting/New Member social is coming and I know of several new members planning on attending. It is always exciting to get new folks involved in club functions.

A special thanks to Mary Nell Biehler and Cathy Hutchins for taking care of the Wine Tasting social.

SPRING THING is coming. This is our premier event of the year and Vickie and I have talked to several people that have never come before that are coming this year. This is fabulous. Send your registration to Vic now.

Advertising Rates

Rates Per Issue for Printed Issues

Business Card	\$ 12.00	2" X 3 1/2"
Quarter Page	\$ 35.00	3 5/8" X 4 7/8"
Half Page	\$ 70.00	7 1/2" X 4 7/8"
Full Page	\$ 115.00	7 1/2" X 10"

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Smoke Signals is published monthly by the Smoky Mountain Region of the Porsche Club of America (PCA). Opinions expressed in *Smoke Signals* are those of the contributor(s), and do not necessarily reflect the opinions of the Smoky Mountain Region officials, directors, or members, or those of the PCA. We reserve the right to edit all material as may be necessary. Comments, suggestions, articles, and photos are welcome.

Spring Thing 2009 is Coming

The time for Spring Thing is quickly approaching. Take a look at the flyer/registration in this newsletter. Make your hotel reservations soon, send in your registration now to assure yourself a spot in the event.



Tech Corner

Classification: Body

Subject: Front wheel well shrouding

Model:

Year: 1994

Total Mileage: 80,000

Car Use: Street

Question:

A previous owner cut out a 8" x 12" opening in the front side of each of the front wheel well's plastic "lining". We are speculating they did this in an attempt to improve brake cooling, or to improve oil and AC condenser efficiency? Do you or anyone have an idea of whether I should close this back up, put a screen in it or leave it as is? Was a Florida street car for much of its life, now is an occ. driver for me plus occ. track event (blue group style, fast but not crazy). Thanks for any input!

Steve

ps . Car is 1994 3.6l turbo (964)

Answer:

When the 964 (and 965 Turbo) model came out, this whole wheel well liner setup was a new thing. If the car is stock, and running at speed, the oil cooler and A/C should stay cool enough. But if it is in stop & go traffic, the vents down on the bottom of the front bumper cover are not sufficient at all. Note that the 997 and 987 Boxster/Cayman now have a vent in the left front fender liner just like you describe. I would put in a screen and keep the opening.

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www.tilerack.com

SMOKY MOUNTAIN REGION CALENDAR 2009

DATE	EVENT	LOCATION	COMMENTS
4/4/2009	Autocross Driving School	Pellissippi State	School begins at 9 AM. Pre Register with Jonathan Foulds at jonathanfoulds@yahoo.com
4/4/2009	Wine Tasting/New Member Social	Concord Yacht Club Northshore Drive; 6 PM	Alan Cox/Bob Hutchins RSVP to Bob at hutchib@knology.net
4/5/2009	Open Autocross	Pellissippi State	First Car Off 11 AM, Pre register with Jonathan Foulds at jonathanfoulds@yahoo.com
4/13/2009	Membership/Executive Council Meeting	Mancino's Restaurant 9209 Middlebrook Pike Knoxville TN	Meeting Starts at 6:30 PM, Arrive early to eat; All Members Welcome
4/18/2009	Quilt Festival, Lunch, Drive Out	Pellissippi State, Oak Ridge area	Contact Patty Ashworth at 865-483-0419 or PattySA@comcast.net to RSVP or for Details
4/18/2009	SCCA Autocross	Meco	Check www.etrscca.org for details
4/24-4/26	Spring Thing	Grand Vista Hotel Vonore, TN	Pre Register with Vic Rola See flyer in Newsletter
5/2/2009	Cars & Coffee	European Auto Garage 227 Sherway Rd Knoxville	9 AM to 12; Call 865-862-5270 for details
5/3/2009	SCCA Autocross	To Be Announced	Check www.etrscca.org for details
5/17/2009	Sunday Brunch	Lakeside Tavern, Northshore Dr, Knoxville	Meet at 10:30 AM Off Northshore Dr
5/24/2009	SCCA Autocross	Walters State CC	Check www.etrscca.org for details
5/31/2009	PCA Autocross	Pellissippi State	10 AM Until
6/7,8/2009	Biltmore Overnight Drive	Asheville, NC	In Planning
6/14/2009	SCCA Autocross	To Be Announced	Check www.etrscca.org for details
6/28/2009	SCCA Autocross	To Be Announced	Check www.etrscca.org for details
6/29-7/4 2009	Porsche Parade	Keystone, CO	Registration March 3,4,5
7/12/2009	SCCA Autocross	To Be Announced	Check www.etrscca.org for details
7/13/2009	Membership/Executive Council Meeting	Mancino's Restaurant 9209 Middlebrook Pike Knoxville TN	Meeting Starts at 6:30 PM, Arrive early to eat; All Members Welcome
7/25/2009	PCA Autocross	Pellissippi State	10 AM Until
8/2/2009	SCCA Autocross	To Be Announced	Check www.etrscca.org for details
8/23/2009	SCCA Autocross	Walters State CC	Check www.etrscca.org for details
9/4,5,6 2009	Rennfest	Atlanta, GA	Peachstate Region Event
9/20/2009	SCCA Autocross	To Be Announced	Check www.etrscca.org for details
10/4/2009	PCA Autocross	PSCC	10 AM Until
10/11/2009	SCCA Autocross	Walters State CC	Check www.etrscca.org for details
10/12/2009	Membership/Executive Council Meeting	Mancino's Restaurant 9209 Middlebrook Pike Knoxville TN	Meeting Starts at 6:30 PM, Arrive early to eat; All Members Welcome
10/24/2009	2010 Planning Meeting	Mancino's Restaurant 9209 Middlebrook Pike Knoxville TN	Bring your ideas. All members attend, let's plan next year. 11 AM to 2 PM- Have Lunch
10/17,18 2009	Talladega DE	Talladega, AL	Jonathan Foulds
11/1/2009	SCCA Autocross	Pellissippi State	Check www.etrscca.org for details
11/14/2009	PCA Autocross	Pellissippi State	Fall Fest Autocross followed by Dinner, Site TBA

Membership Report

March was a good month for the region from a membership standpoint. We now have 175 active members, up from 172 last month, with 131 associate members, up from 130 in February. Total membership now stands at 306. We have 5 new members in March, with 2 non renewals, which I am sure will renew. We began 2009 with 166 primary members and 128 associate members.

New members in March include:

Janis and Rick Berry, 1999 Arena Red 996;
janisberry@frontier.net.net
Frank and Michelle Bushman, Red 1996 Carrera
frank.bushman@yahoo.com
Tracy Edmundson, Seal Grey 2003 Boxster
tedmundson@comcast.net
Monroe Snyder, 1987 Carman Red Carrera
865-406-5216
Scott Williams, 1982 Burgundy 911
scott.williams@ htc-america.com

Please contact these new members and welcome them to the region.

Anniversaries this month:

Jon Hagerman 5 years
Janet Lanz-Pasha 26 years

Tech Corner

Classification: Engine

Subject: found car and start up

Model:

Year: 1979

Total Mileage: 38

Car Use: Street only

Question:

I have found a 930 / 911 sc 930 has 38 miles
911 has 481 miles both in like new shape
but do not know who to listen to about how to
move forward with them for start up need some advise
thank you in advance

Answer:

It would be best to get a pro mechanic to get into this with you.
It is hard to guess all of the conditions the cars might have been
exposed to. The clutches could well be rust-welded to their fly-
wheels by now. I would test for that first. You will need the
cars up in the air.

The fuel is no good by now for sure. I would drain it (pump it
out) and recycle it e.g. along with motor oil.

Replace the battery in each car.

When you get close to ready, disconnect the ignition systems
and crank the engine until the oil pressure gauge comes alive.
I would want to see if you can determine the quality of the
motor oil by checking the dipstick. I think it would be wise to
change the oil before attempting startup. I would not change the
filters until after startup and warm up, then I would change
them and cut them open.

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You didn't settle when you purchased it. Don't start now.

Harper Porsche is pleased to announce a special offer to all PCA Smoky Mountain Region members. Present your membership card during your appointment time and receive 10% off all Porsche parts and service. Call 865-691-2834 today to schedule your next service. For any questions ask for Mark Nagle, Porsche Service Advisor.

**PCA Smoky Mountain Region members receive 10% off on all
Genuine Porsche Parts and Service at Harper Porsche.**

Harper Porsche
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Knoxville, TN 37922
harpercars.com



Heard 'Round The Region

On March 13th, the Porsche 917 celebrated its 40th birthday. Hard to believe! The fabulous 917 was not only voted the 'Greatest Racing Car of All Time' in 1997, but also the 'Car of the Century at Le Mans' in 2000, and still holds the maximum top speed of a race car...396kmh (that's 245.9628mph), in 1971, at night, by Jackie Oliver on the L'Hunnadières straight/LeMans. Whew!

Rick Brooksbank is in a new ride. Turbo-look 911...red... Looking now to sell his 944 Turbo. You look good in red, Rick! Speaking of new rides, Mike Parker took delivery of an '06 Cayenne S, Titanium Edition. Even my wife Carol said ... "m.m.m. I could handle something like this!..." Nice ride Mike!

Congratulations to the entire Goeritz family who were granted 'permanent residency' status in the good 'ole USA by the USIS. Good job Gisela, Hansjoerg, Camilla, and Cornelius!!!

If you didn't go, you missed a great time at Mulligan's on St. Patty's Day!

Vic Rola

Update Your Records

Have you changed phone numbers, moved, or have any changes in your information?

Log into www.pca.org, log in and update your membership information.

This will insure we have you correct information on file. It's simple and just takes a minute or two.

Thanks for your attention to this matter. If you have any problems, give me a call. JM

The Cayenne S Hybrid will deliver the power of a V8 and the efficiency of a four-cylinder

ATLANTA – February 20, 2009 ---- Porsche AG, the Stuttgart, Germany-based high-performance car and SUV manufacturer, shared more information about its Cayenne S Hybrid, which will debut next year. Using a parallel full hybrid design with the electric motor between the combustion engine and the transmission, Porsche engineers have been able to drive at speeds up to 86 mph without at all using the combustion engine.

This engineering achievement allows the Cayenne S Hybrid to roll freely – or 'coast' -- at highway speeds without the combustion engine on, greatly minimizing engine emissions and fossil fuel consumption. This differs from current hybrid concepts that deliver benefits mainly in city traffic. Porsche, in cooperation with Volkswagen, opted for the parallel full hybrid design as it also significantly improves acceleration, a concept that matches the company's philosophy of offering outstanding performance and efficiency. It also fits in the current Cayenne design with minimal alterations and without affecting interior space. When it comes to market in 2010, the Cayenne S Hybrid is expected to emit some 20 percent less CO₂ than comparable combustion engine vehicles with similar power output. Covering a 0-to-100 km/h sprint in just 6.8 seconds, it earns its 'S' designation by delivering V8 performance and four-cylinder efficiency, all while complying with the Ultra Low Emission Vehicle II (ULEVII) emission standards.

pace or luggage capacity. (Continued on page 11)

Club Racing Update

PCA club racing held its Road Atlanta race the weekend of March 27-29th. Although attendance was down from prior years, there were still about 150 race cars ready to compete in the multitude of race classes. The weekend started off wet and rainy on Friday and Saturday, but by Sunday the skies had cleared and the track had dried allowing some pretty fast laps to be put down. Our local region had at least one current member and one former member in attendance competing for results.

Local racer Karl Poeltl and owner of local shops European Auto Garage and Racer's Edge was there contesting the "I" stock class in his street based 3.6 liter 996. During the Sunday qualifying race, Karl ran a personal best and new track record time of 1:34.799. This qualifying time put Karl 1st in class, 21st overall, on the grid ahead of 40 plus other cars for Sunday's 1 1/2 hour Enduro race. As is common in longer races, there were 2 full course cautions and one Black flag, but at the end Karl won this race as well with a best lap time of 1:34.8.

Past Smoky Mountain region member R.L. Mitchell driving a 1989 944S2 which he rented from Racer's Edge. R.L. was able to win the 40 minute sprint races and he came in second in the 1.5 hour Enduro which was held on Sunday as a consequence of a competitor's fortuitous pit stop which occurred just prior to and during a full course caution. Competing in the "NASA" invitational group, this win and 2nd place put R.L. squarely in the



Karl Poeltl



R.L. Mitchell

BMW Club Needs Instructors

The BMW Club coordinates the Tire Rack Street Survival Teen Driving Program (www.streetsurvival.org) each year. They are looking for instructors to help. The date is April 25, 2009. For more information contact David Hinkle at European Auto Garage at 865-862-5270

Der Market

For Sale...Stainless steel (B+B) exhaust system for '76-'89 911 turbo. No issues...replaced it with original system for concours purposes. \$1,000.00. Contact Jim Marsh @ 865.356.9107

For Sale...'S' type fiberglass bumper for '69-'73 911. Bumper only-no trim. TN orange in color. \$150.00. Contact Vic Rola @ 865.207.4303.

For Sale...1994 Porsche 968 Tiptronic Black/Gray. 106K well maintained miles. Great Driver (everything works). Could use some cosmetic TLC and have many extras for car.
One set gray leather seats for 968-Excellent Condition.
One set black vinyl seats for 924-Excellent condition.
Various mm sway bars for 924/944. (used for autocross).
Tires: Bridgestone 205/50 ZR17 (S-02) & 255 40 ZR17 off 968, 50% wear.
4-15" 5 bolt Spider Web wheels mounted with 4 Yokohama A-008R 225/50 ZR-15 tires used for autocross & Street off 924.
Contact Janet Lanz-Pasha (865)986-0931



For Sale: 1988 Carrera 911 Coupe...ONLY 96K Miles. Flawless White. No Dents, No Dings. Whale tail, G-40 5 Speed. Blue Leather. Like New Tires and Brakes (Approx 4 K) Many Upgrades Including New Fuel Lines, New Oil Lines,, Replaced Rear Axle Seals, New Piston Rings, Valve Job, New Valve Guides, New Clutch And Disc, With All Porsche Upgrades On Clutch Shaft, Release Arm, 930 Steering Wheel, New Bosch Battery, much more. Over \$ 8,600 in an excellent car. This Fine 911 can be yours for \$ 24,900
CALL CHARLIE TAYLOR 865-691-2138 OR E-MAIL chas-bax@knology.net

Der Market is a free service to PCA members. Send your ads to either the club president or newsletter editor.

Job Market

The Smoky Mountain Region currently has several important positions open. Short hours and top pay. Current positions available include:

Technical Coordinator: This position involves the scheduling tech sessions on behalf of the region. Top Pay and short hours for the right person.

Newsletter Editor: This person would be responsible for editing the Smoke Signals Newsletter each month.. There are several people in line to assist with the actual assembling of the newsletter. The newsletter template has been completed and the editor would be responsible for placing articles, ads, and other items in the newsletter. The editor would be rewarded with a pizza and drinks (?) session when a printed version is assembled. This is probably the highest paying job in the region.

Awards Chairperson: The region is in need of an individual to order and secure various awards for region events. Several sources are already known, it is just a matter of a person taking responsibility for securing the awards. This person would work with sponsors on the awards to be given for various events.

Publicity Chairperson: This individual would be responsible for securing publicity for various club events, such as Spring Thing, drive outs, and other functions. Top pay for the right person.

Contact Jim Marsh For Details on these Opportunities!!!

Tech Corner

Classification: Interior

Subject: Leather Dash Option

Model:

Year: 1986

Total Mileage: 32000

Car Use: Street only

Question:

When did the 930 stop having the all-leather dash? I have an 86 without the stitched leather dash, and I have seen a few others without it as well - but the majority of 86s appear to have the leather, while few cars from 87+ have it.

Thanks!

Answer:

It was always an option for a leather dash. In fact you could special wishes anything in the 80s. I could be way off base here but for years we always upgraded the older 77-80 930s with the 86 and newer dash because it was not leather and had the bigger vent in the center. This was a very common upgrade because it didn't warp and was pretty cheap.

I am certain someone will correct me if I am wrong.

Stephen Kaspar - PCA WebSite - 1/30/2009



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Spring Thing '09 Just Around the Corner

Spring Thing, Smoky Mountain Regions' premier annual event is well into the planning/formation stages! This annual event will be highlighting the Regions 35th anniversary, as part of the Porsche Club of America. The event is one of the remaining few annual events around the US!

The event has moved around our geographical area, including Gatlinburg, Knoxville proper, and Greeneville. This year we're doing our second year at the Grand Vista Hotel, Vonore, TN. The Grand Vista offers a secluded setting, with the hotel being almost 100% sold out for Spring Thing. You can make reservations with them at ... 423.884.6200.

The event starts Friday afternoon with registration in the adjacent building to the hotel proper. The hotel is serving a hot meal that evening also (no cost to you). Plan to arrive anytime after 1:00PM. Our early registration manager is Mike Braunstein, and our ladies, Carol Rola and Vickie Marsh will relieve him mid-afternoon.

Saturday morning, Greg DeBord will assist you in staging your car for the 'preparation class' concours. As of this writing this years concours does not have a sponsor. Greg is putting together a set of judges who will be reviewing the cars, while you're having breakfast at the hotel, taking pictures, or socializing with other participants.

After lunch on your own, the TSD rallye, sponsored in remembrance of our men and women of the armed forces, will start at the hotel. Clyde Peery is our rallye master, ably assisted by John Manner, and Alan Cox. The route will meander through

the scenic roads of east Tennessee, around the communities of Vonore, Madisonville, and Sweetwater.

Once you return, Jeff Gordons' tech session will await you. Jeff, from the Tennessee Region, puts together a great tech session, with both easy and tough questions. You will enjoy it!

Our social hour and banquet will be on the hotel grounds. A great opportunity to meet other PCA'ers who share your passion for Porsche! Concours, Rallye, and Tech Quiz results and awards will be presented at the banquet. We're also expecting a staff member from PCA's National Office to address the crowd.

Sunday morning, while you're having breakfast at the hotel, our slick autocross crew will be setting up our autocross, at Pellissippi State Community College, about a forty-five minute drive from the hotel. Our PCA style course will be long and quick! Our autocross committee of Rick Brooksbank, Jonathan Foulds, and myself guarantee a good time. Autocross sponsored by Harper Porsche.

So...Plan now to attend! The registration form is on-line at www.smtPCA.org. If you have any remaining questions, call me – 865.207.4303.

See you there!!!

Vic Rola

Event Chair

Spring Thing 2009

Tech Corner

Classification: Engine

Subject: Whistling noise 2003 996TT **Year:** 2003 **Total**

Mileage: 28,000 **Car Use:** Street

Question:

My car has started whistling at high boost and so I had the dealer change out the diverter valves to more robust springs as I have read one should do after an ECU reprogram (dealer performed reprogram and valve change). The whistling has improved slightly but persists under high boost. My worry is that since I am operating with stock turbos and I now can reach 1.2 bar boost, could this be my turbos or other engine part? Also, if my digital display reads 1.2 bar, is this reaching the cylinders or are the diverter valves venting this off and therefore generating the noise? Where is the pressure reading sensed, manifolds or at the turbo's exhaust or is it all the same? What is the maximum "safe" boost for the X50 upgraded engine with stock turbos? Also, is there some source where one can find out how many of similar equipped cars as mine were imported in 2003 (ie X50 upgrade, PCCB brakes, slate grey metalic, black full supple leather, manual transmission)? I have always been curious.

Car Use: Street & Track

Answer:

Member update: No I never received a response and I still whistle at high acceleration. Thanks for any info you may have.

Chuck

Reiser: If you see 1.2 bar of boost, that is for real. That means you really have that much boost pressure inside the intake manifold. That means it is in all the little lines and hoses

connected to it. It is not measured in the exhaust system, since the boost pressure is not in the exhaust. Each turbocharger is driven by exhaust pressure which we don't measure, and the other side of the turbo gets fresh intake air, after being measured for volume by the mass airflow sensor, and then it compresses it into the intake system. That means that when the intake valve is open, the pressure extends all the way into the cylinder.

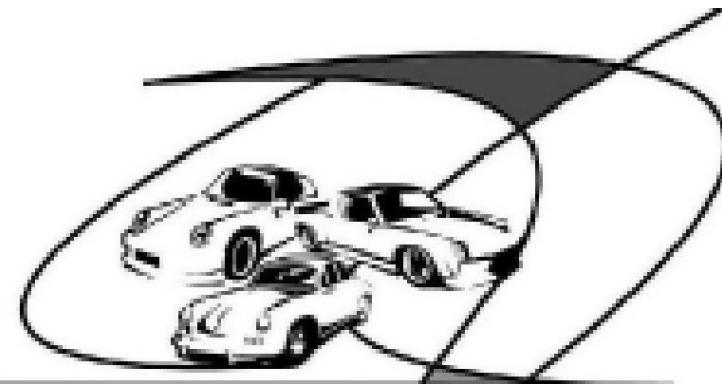
1.2 bar is a LOT of boost. If your car did NOT whistle, I would be worried about it. The turbos do that. You will need to get someone locally to listen to it with you to see if it indicates some other problem, but I would guess it's normal.

As to what is the maximum safe level of boost, there is not a single number. 1.2 is above it, I can argue that point all day. We would have to put some words around what you mean by "safe". It won't blow up in 5 minutes, but you can pretty much plan on an engine rebuild every few track seasons.

PCNA stopped releasing the build figures to the press, but if you contact them directly they might be willing to do you a favor.



Gisela having fun at St. Patrick's Day Social



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SPRING THING 2009

April 24th ~ 26th

Grand Vista Hotel
Vonore, TN



\$135.00 per car (two people)



For more information contact Vic Rola at ~ vicrola@knology.net

Grand Vista Hotel Reservations - (423) 884-6200

SPRING THING 2009 ... REGISTRATION

ENTRANT : _____

CO-ENTRANT : _____

P C A REGION AFFILIATION : _____

ADDRESS : _____

PHONE : _____

EMAIL : _____

PORSCHE INFO : YEAR _____ MODEL _____ COLOR _____

NAME OF GUESTS AND / OR CHILDREN : _____

EVENTS YOU ARE PLANNING ON ENTERING:

CONCOURS (PREPARATION ONLY)

ENTRANT #1 _____ ENTRANT #2 _____

RALLYE

DRIVER _____ NAVIGATOR _____

AUTOCROSS

DRIVER #1 _____ CLASS _____

DRIVER #2 _____ CLASS _____

Registration fee is \$135.00 per car (double), or \$90.00 per car (single). Add \$40.00 for a second car.
Add \$25.00 for each additional guest for the Saturday night banquet.

TOTAL ENCLOSED : \$ _____

Checks should be made payable to the Smoky mountain Region PCA, and sent with a completed registration form to: VIC ROLA, 8912 CHIMNEY POINT, KNOXVILLE, TN 37922

Tech Corner

Classification: Engine

Subject: 1991 965 Rough Starting idle

Model:

Year: 1991

Total Mileage: 55,000

Car Use: Street only

Question:

Car has rough idle at start. Previous posts indicate a number of items including fuel check valve and fuel accumulator...I have not had the fuel system pressure checked, but none of the posts I viewed have this refinement: engine starts on first bump but idles at very low idle and will shut off with anything other than the slightest tap of the throttle. The idle is very low and just registers on the tach for about one minute until it starts to increase slightly. Between one and two minutes it will noticeably stabilize, but will not get to the normal idle speed at almost 1000 rpm until after about 5 to 10 minutes of driving. After that, it has a very stable and confident idle and throttle response going off idle. Also, a noticeable power loss is observed at almost precisely 3000 rpm when under very light acceleration. This is not noticed with a more aggressive throttle input. It does not miss or stumble; it's just that you feel a drop in power as you accelerate lightly past 3000 rpm, regardless of gear. Thanks in advance for any feedback in this regard.

Answer:

Member Update: It turns out the control pressure regulator was going crazy. I have since replaced it with a servo-style CP regulator sold by Unwired Tools. It is an adjustable unit that allows custom fuel mapping based on RPM and intake manifold pressure. I just had the engine dyno tuned and am very happy with it so far. Thanks for following up. Luke

Reiser: Good job, thanks for letting us know the result.

Cayenne S Hybrid (Cont'd)

When it comes to market in 2010, the Cayenne S Hybrid is expected to emit some 20 percent less CO₂ than comparable combustion engine vehicles with similar power output. Covering a 0-to-100 km/h sprint in just 6.8 seconds, it earns its 'S' designation by delivering V8 performance and four-cylinder efficiency, all while complying with the Ultra Low Emission Vehicle II (ULEVII) emission standards.

The Cayenne S Hybrid uses a supercharged Audi 3.0-liter V6 engine with Direct Fuel Injection (DFI), 333 horsepower and 324 lb-ft of torque from 2,900 to 5,300 rpm. It is mated with 52-horsepower three-phase synchronous electric motor that produces up to 221 lb-ft of torque and also acts as an alternator, and the combined power units are joined to an eight-speed automatic transmission. Also on board is a 154-lb. no-maintenance 38 kW nickel metal hydride (NiMH) battery. Measuring 13.7" x 24.9" x 11.5", it fits in the spare tire well, thus not compromising luggage capacity.

The Hybrid Manager is the Cayenne S Hybrid's "Heart"

The heart of these technologies is the powerful Hybrid Manager, which requires some 20,000 data parameters to operate (compared to a conventional engine control unit that operates on less than one-third of the data).



**European
Auto Garage**
www.europeanautogarage.com

The 2009 Smoky Mountain European Auto Garage Autocross Challenge

Join us in 2009 for an exciting autocross challenge series. We will be crowning a Porsche champion and a European car champion. Non Porsche cars will utilize the SCCA PAX system to level the field. This will place the challenge on the driver, not just the car. Here is the schedule:

Date	Event	Location
April 4	PCA Driver School	PSCC
April 5	Open Autocross	PSCC
April 26	Spring Thing Autocross	PSCC
May 31	PCA Autocross	PSCC
July 25	PCA Autocross	PSCC
August ?	Night PCA Autocross	PSCC
October 4	PCA Autocross	PSCC
November 14	PCA Fall Fest Autocross	PSCC

Other dates will be added, watch your email and the web site for more information.

Cost will be \$ 25 per event, except for the Spring Thing Autocross, which is part of a multi event weekend.

SCCA PAX timing will be used for European autos and a new handicapping system will be used for Porsche cars.

We have upgraded the timing system which will allow us to have multiple cars on the track at a time and we have added an LED display which will show times as you pass the finish line. Times: PCA Autocross registration will open at 8 AM, close at 10 AM, first car off at 11 AM. Driving school will start at 9 AM. Register early with Jonathan Foulds at jonathanfoulds@yahoo.com

Autocross School

The Smoky Mountain Region opens up its 2009 Autocross season with a Driver's School on Saturday April 4 at Pellissippi State CC. The school will begin at 9 AM. School director Jonathan Foulds tells me the school will revolve around an actual autocross course with an emphasis on techniques to improve times as well as car handling skills. This will be a great opportunity for you to bring your car out and learn how to handle it better and also learn more of the capabilities of the car. Even though we will be running the timer so people can see their times, records will not be kept. The emphasis will be on improvement. Cost will be \$ 25. Registration limited to 30.

Open Autocross

Our first open Autocross for points will be Sunday, April 5 at Pellissippi State CC. Pre register with Jonathan Foulds at jonathanfoulds@yahoo.com. Cost is \$ 25. register on site at 8 AM, closing at 10 AM. First car off at 11 AM.

The autocross series this year is sponsored by the folks at European Auto Garage, 227 Sherway Rd Knoxville, TN

1541 Buxton Drive
Knoxville, TN 37922



April Events:

April 4: Driver's School-Pellissippi State

April 4: Wine Tasting/New Members Social, Concord Yacht Club

April 5: Open Autocross, Pellissippi State CC

April 13: Membership/ Executive Council Meeting-Mancino's Restaurant

April 18: Quilt Festival, Lunch, Drive Out. Pellissippi State CC

April 24-26: Spring Thing, Vonore/Knoxville, TN