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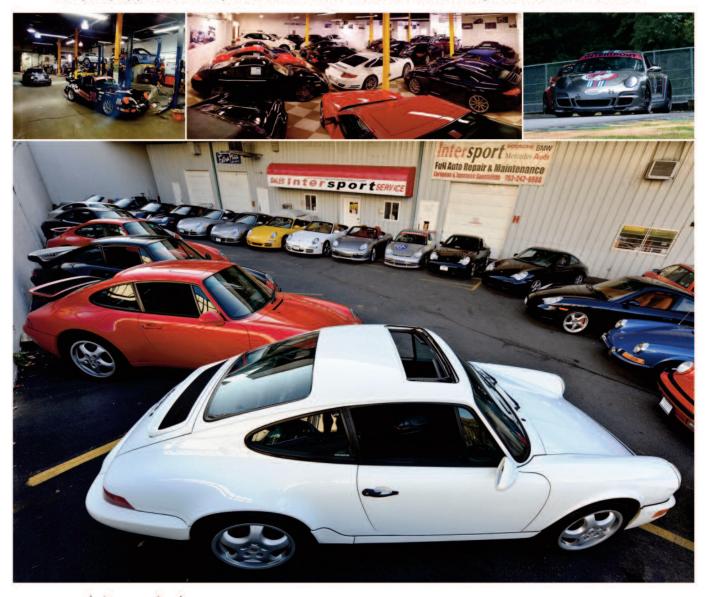


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Cover photo: DE at the main circuit at Summit Point. *Photo by John Walters*.







der Vorgänger

The monthly magazine of the Founders' Region, Potomac, Porsche Club of America.

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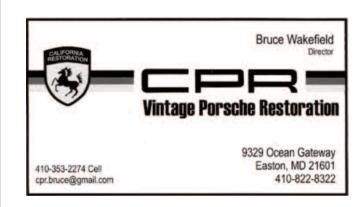
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Hard-copy, Print, Old-school

This is the eighth edition of dV put together by your not quite so new team of Michael, Carrie and Glenn. We are still getting to know one another and the art of automobile magazine editing. We all had hoped to attend more club events than reality has permitted, so have had to rely more on the "reporters" among you than anticipated. We have been most fortunate that so many Potomac members have helped us make this work. But is all this effort producing a worthwhile product?

Let's start with a basic question. Since quite a bit of the effort and almost all of the cost of producing dV is related to it being a print publication, why do we do it? It's online at the PCA Potomac website already, why go to all the trouble and expense of printing and delivering an outdated hard copy format publication? Many of PCA's regions publish exclusively online, who not Potomac? Let's explore that...

While not based on an exhaustive analysis, it does seem that the soft copy only publications are more newsletters than magazines. We and previous editors have worked hard to include considerable original writing and not simply rely on event announcements, track results and calendars of coming meetings to fill up space. Moreover, it is likely that members don't actually read on line newsletters. They may notice a new edi-



Carrie Albee



Glenn Cowan



Michael Sherman

tion when perusing the website but it is far from certain that very many actually read it all.

dV is different we hope. It sits on the side table or in the magazine rack for a whole month. It gets picked up for ten minutes here and five minutes there and by the time the next edition arrives, it has been digested. That's our hope.

What's the reality? Do you really read *dV* and do you enjoy it? We have tried to mix up our stories and pictures to include travel articles, technical pieces, DIY experiences, Porsche news, personal stories and of course, club news. Are we getting it right?

We receive next to no feedback about how you receive dV. We have considered sending an email survey to the entire club membership but are not convinced we would receive a statistically significant return and don't want a skewed "public" opinion steering us off. While not scientific, we would prefer to hear from as many of you as might care to write and offer comments, suggestions, thoughts, criticisms, even praise.

We hope you are reading dV – let us know why and how we can make your magazine better. Thanks.

-Glenn

Tax planning and returns?

Protection of wealth?

Financial planning?



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Investment planning?

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The president's column

A Debt of Gratitude

This column is about gratitude. It is about appreciation for the people and organizations that have shaped our lives. It is a bookend to my column last month where I challenged the membership to step up and lead and I challenged club leadership to step out of their comfort zone. I would like to recognize and show my gratitude to many who have done just that.

Let me start by recognizing some individuals who have stepped up and out recently and also apologize proactively, as this is not a complete list. I'll start by thanking Ken Harwood, our Webmaster who has now stepped up to become Drive and Dine Co-Chair with Andrew Fort. I would also like to thank Claude Imbt for his years of service in this role. Another is Jonathan Van Hise, who will take on the job of Volunteer Coordinator. He will help recruit volunteers for events, make sure that volunteers are recognized and rewarded for their contributions, and that we can identify and prepare future club leaders. In both cases, these members have stepped up to help ensure the continuity and strength of our club.

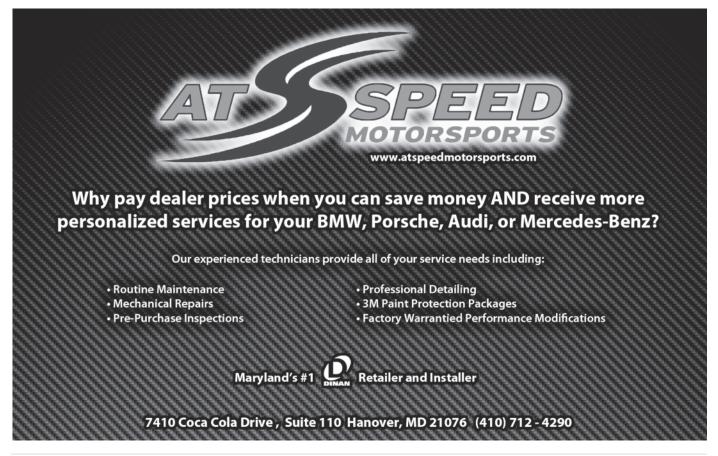
I would also like to thank and recognize is our DE (Drivers' Education) Committee. There are too many names to mention here, but please go to the website so that you can thank them personally. DE is a lot of work, with a lot of moving parts and competing demands. We are competing with other track and DE programs to provide a great customer experience – which means in addition to all of the work, we also have to be focused on innovation and customer experience. The Potomac DE program is already considered one of (if not THE) best in the country. But complacency does not breed excellence, so over the course of the past year, the DE Com-

mittee has been looking for ways to improve the program and the DE customer experience. They have been soliciting input and getting creative, with great results.

We just finished PorscheFest weekend. What a great weekend! Many thanks to the Autocross Committee for putting on a great AX at what is always a challenging venue, and to the Social Committee for a great dinner with enough food. Finally, many thanks to the DE Committee for putting on one of the best track events I have been to in a long time. If you haven't been to one of our DEs in a while, come out and see what the Committee has been up to. The event ran great, lots of new and familiar faces, new ideas, better safety, more track time – and maybe it's just me but there seemed to be an excitement there that I haven't seen in a while. Thank you all for a great weekend!

I would also like to express my personal gratitude to the Club overall. Being President of PCA Potomac can be very stressful, even frustrating, at times. Many of you have heard my private frustrations with the challenge of essentially leading a small company with broad operations and all the employees come to work voluntarily. But for all of the frustrations, the Club has given three wonderful things back to me. First of all, every challenge in the club has provided me an opportunity for personal growth, to improve my leadership and management skills, and to learn about how to see potential in people. Next, for all the frustrations it has also been a lot of fun. Finally, and most important, it has given me wonderful friends. Thank you PCA Potomac.

—John



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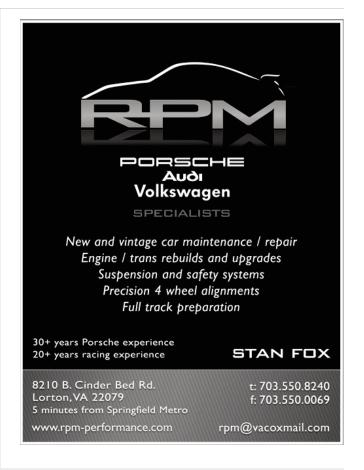
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Potomac's 2014 calendar

The information below is accurate as of date of publication. However, you're advised to check Potomac's website at *pcapotomac.org* for further information and the most up-to-date information.

September

- 6 Virginia Brunch at City Grille in Manassas on Saturday, 11am 1pm.
- 7 Potomac's picnic and low-key car show at Fort Hunt Park, VA, 11am 2pm.
- 12-14 Potomac's Drive & Dine to Greenbrier.
- 13 Potomac's Fall HDPC at Summit Point.
- 13 Virginia Breakfast at Thirsty Bernie Sports Bar & Grill in Arlington on Saturday from 10 am 12 pm.
- 20 Potomac's open board meeting, 11am 1pm.
- 20 Maryland Brunch at The Irish Inn on Saturday, 11am 1pm.
- 26-28 Potomac's advanced DE at Summit Point.
- 27 Club Race Dinner at Summit Point, 6:30pm 9pm.

October

- 4 Virginia Brunch at City Grille in Manassas on Saturday, 11am 1pm.
- 5 Potomac Region's Fall 2014 Golf Tournament, 12:30pm 6pm.

- $11\,$ Virginia Breakfast at Thirsty Bernie Sports Bar & Grill in Arlington on Saturday from 10am 12pm.
- 11 Potomac Rally. Details to be announced.
- 12 Autocross #6 at Baysox Stadium. 7am 1pm.
- 18 Tech inspection at Auto Sportsystems Group, 9am 1pm.
- 18 Maryland Brunch at The Irish Inn on Saturday, 11am 1pm.
- 24-26 Potomac's DE at Summit Point Main.
- 25 Potomac's Fall Foliage Drive. 10am 2pm.

November

- 1 Virginia Brunch at City Grille in Manassas on Saturday, 11am 1pm.
- 8 Virginia Breakfast at Thirsty Bernie Sports Bar & Grill in Arlington on Saturday from 10am 12pm.
- 9 Autocross #6 at Baysox Stadium. 7am 1pm.
- $15\,\mathrm{Maryland}$ Brunch at The Irish Inn on Saturday, 11am 1pm.

Potomac Monthly Brunches

Potomac breakfasts and brunches are an excellent way to (a) have a tasty meal, and (b) make new Porsche friends or renew old friendships. Meetings are low-key with no agenda.

Virginia: first Saturday of each month, 11am at the City Grille, 10701 Balls Ford Road, Manassas, VA, 20109.

Virginia: second Saturday of each month, 10am – Noon. Thirsty Bernie Sports Bar & Grill, 2163 N. Glebe Road, Arlington, VA, 22207.

Maryland: third Saturday each month, 11am – 1pm at the Irish Inn, 6119 Tulane Ave., Glen Echo, MD.

Cars & Coffee

Fair Lakes, VA

Sundays, roughly 8:30 – 10:30am, Fair Lakes (VA) Starbucks for coffee and cars is the site located at 12599 Fair Lakes Circle, Fairfax, VA, just off Interstate 66 at exit 55B.

Hunt Valley, MD

Saturdays, 8-10am, Hunt Valley Towne Centre at Joe's Crab Shack, 118 Shawan Road, Hunt Valley, MD. Many cars of all types.

Burtonsville, MD

Sundays, 7:30 - 10am, "Church of the Holy Donut," Dunkin' Donuts, Route 29 & 198, Burtonsville, MD.

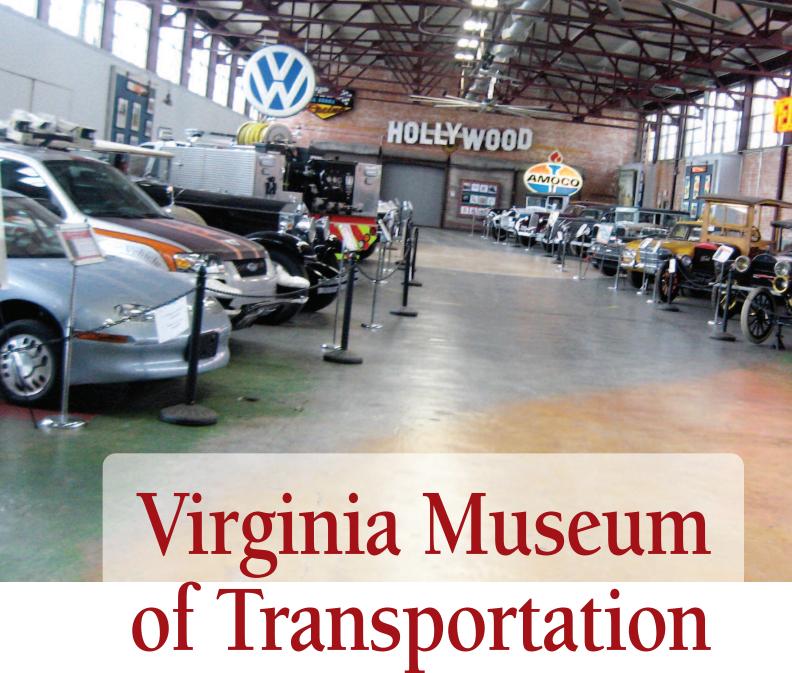
Great Falls, VA

Saturdays, 7 – 9am, Katie's Cars & Coffee located at 760 Walker Road, Great Falls, VA. This is perhaps the premier gathering of interesting cars in the D.C. area. Don't look for many cars if the weather is inclement.

Bethesda, MD

Saturdays, 8 – 10am, Corner Bakery Cafe, 10327 Westlake Dr., Bethesda, MD, Westfield Montgomery Shopping Mall.





Story and photos by Richard Curtis **for der Vorgänger**

Little known fact: Although known for many things -- the birthplace of presidents (seven!), incessant I-95 traffic jams, peanuts and where John Smith was saved from death by Pocahantas in 1607 -- few of us know that the state once had an automobile manufacturer, though hardly one of Porsche quality.

From 1917 through 1922, the Piedmont Motor Car Company built cars in Lynchburg, Va., although they were badged for other companies such as Alsace, Bush and Lone Star. Only three Piedmonts survive. One of them, a Bush model,

resides in an eclectic but interesting vehicle collection in the Virginia Museum of Transportation in Roanoke, Va.

My wife, Jane, and I stopped there overnight on a recent trip. Besides the transportation museum, Roanoke offers a vibrant downtown. There is a notable art museum: the Taubman Museum of Art, designed by Randall Stout, FAIA who obviously was influenced greatly by Frank Gehry's work. We spent a morning there enjoying several engrossing exhibits.

The city also stands as a gateway to the nearby Blue Ridge Parkway.



In all honesty, the Transportation Museum focuses mostly on trains and the railroad industry and specifically how railroads changed the state. The displays are well done and thorough. And you're welcome to walk in the accompanying rail yard with steam and other engines and cars that will impressively fill your camera's viewfinder. One negative: Access to the interiors is severely limited and disappointing.

The roughly 20 cars and trucks on display are worth your time if you are interested in automotive history. Besides the Piedmont, notable cars are several Studebakers, a 1904 Curved Dash Oldsmobile, a 1948 Packard, a 1928 Willys-Overland Whippet, an 1882 Howe Fire Engine, a 1936 Farmall tractor and a 1993 NASCAR DuPont Chevrolet Monte Carlo race car. None seems to be like the over-restored examples I've seen in other auto museums; these look more like barn finds.

While we began our trip with Roanoke as the destination for the first night, we factored in a



lunch-time stop in the inviting village of Staunton, Va., a popular stop on several Potomac Drive 'n Dine trips. We had stopped briefly there several times before but never shad taken time to explore.

We started with a breakfast stop in Front Royal, Va. at the locally well-known L Dee's Pancake House diner. We stuffed ourselves with pancakes and waffles before heading south on U.S. 340, a beautiful, gentle and sometimes riverside route through rural Virginia to our planned lunch stop in Staunton. According to our GPS this route was only 15 minutes longer than the more boring Interstate routes via I-66 and I-81. This would be a perfect drive in your Porsche.

Staunton turned out to be wonderful. The Visitor's Center is truly a welcome and highly recommended place to begin. It's smack downtown with free parking, a free 30-minute trolley tour through the town and a knowledgeable and helpful volunteer. A short walk through the commercial district (get a map in the Visitor's Center) is also recommended for its wealth of interesting shops and historic buildings. We enjoyed one of the most beautiful bank lobbies we've had ever een and the historic Trinity Church, first built in 1763 had breathtakingly beautiful stained glass windows, 12 of them by Tiffany.

The Woodrow Wilson Presidential Library and Museum is also in Staunton. If you're into models cars, trains and airplanes, the J.C. General Hobby Surplus is worth a visit (I've been twice!). Staunton Trains & Hobbies also looked interesting though we didn't visit.

Also in Roanoke are the Science Museum (featuring a breathtaking butterfly exhibit), an opera house, the Harrison Museum of African American Culture and several other museums. The National D-Day Memorial is in nearby Lynchburg. Roanoke is a gateway to the nearby Blue Ridge Parkway and the Appalachian Trail.

Above: There is limited free parking to the left of the entry. The museum is located at 303 Norfolk Ave., Roanoke, Va. info@vmt.org. Hours are Mon-Sat 10-5; Sun 1-5. Admission charged.

Left: The many cars of the Virginia Museum of Transportation in Roanoke.



Above: Nortfolk & Western Class J #611 steam locomotive (1950). Fourteen Class J passenger locomotives were designed and built in the N&W Roanoke Shops and operated for 18 years. These were the most powerful 4-8-4 steam locomotives ever built and could pull a 15-car passenger train at 110 mph over level terrain.

Right: Model Ts serving to transport rail passengers from the train station came to be known as "station wagons," a name that stuck for vehicles with a high passenger and cargo capacity. This particular car had been converted into a sawmill, and all that remained was a frame and the engine. The body is new, made of red oak and maple from the original plans.





Above: The President was the premier automobile manufactured by the Studebaker Corporation during the 1927-'42 years and was reintroduced in 1955 and used through 1958. The Speedster, designed by Raymond Loewy, was only built for the 1955 model year, and only 2,215 were built. The car featured 185 hp and 4,500 rpm from 260 cu. in.

Left: Rolls-Royce began with a two-cylinder Royce 10 in 1904. Rolls-Royce Limited was formed in 1906. By 1921, the company was building nearly 8,000 cars a year. A Rolls-Royce chassis was used as a basis for the British armored car used in both World Wars.

Who is the Owner of This Lovely Blue Car?

by Mi Jee Song

After joining PCA Potomac, participating in a few events, and meeting some good people, I thought to myself, "What else do they do that I like to do?" I went to their website calendar to see the scheduled events. I compared them to the weekends in my day planner, "Nope, no Autocross that weekend, I have golf. Nope, no Drive and Dine that weekend, I have golf." I got to October with no PCA events penciled in on my day planner, and thought, "Maybe I can skip one of my golf days." "Or maybe, they can add a golf day to their calendar! Surely there are golfers in this group of over 2000 members."

An email to Potomac's President, John Eberhardt, with a response of, "Work with these guys..." lead to a handoff to the Drive and Dine Committee and a few other golf enthusiasts in the club. After a few "...great idea" emails and "...we've talked about doing something like this for years," emails, I got the, "...the club is run by volunteers," email, which was ultimately followed with a "...we'll support you," email. How did I not see that coming?

Four months later, the leadership in the club has kept up their end of the bargain: the Current Club President, the Past Club President, two Drive and Dine Committee Co-Chairs, the self-proclaimed "ubergeek webmeister" and team, the Treasurer, the dV Publisher & Advertising Chair, the dV Editor and team, and a Community Service Chair that I somehow leapfrogged over before promoting the Carol Jean Cancer Foundation as the event's charity, (we're good, now) – they have all pitched in to provide support for our Inaugural Golf Tournament. We even have club member, Bob Wilkoff who will lend his artistic abilities as Event Photographer.

And three paragraphs later, here is the point: it's taking a village of willing and excited volunteers to launch PCA Potomac's Inaugural Fall Golf Tournament on Sunday, October 5th, at Bull Run Golf Club. Show us your support for this new PCA Potomac event!

We will have contests, a Raffle, and sponsors on site including a highly qualified mobile car detailer to provide a car wash or detail.

Register as a player - full foursomes not necessary (we can help fill out your team) and players of all levels are encouraged to play. Register by September 20th at http://MotorsportReg.com. Cost is \$120 per player.

Or attend as a non-player so you don't miss out on the activities and a have chance to win the Raffle Prize. Non players can enter the Raffle, get a car wash, and have lunch on the back terrace, reserved for our club members, overlooking the 18th green where the players will gather before the shotgun start at 12:30. (Please send me an email at msong@pcapotomac.org if you are interested in a car wash and/or lunch on the terrace so we can get a headcount.)

Each person (player or non-player) who arrives in their Porsche will receive a Raffle Ticket. Additional Raffle Tickets can be purchased at the Check-In Table. Each player will automatically receive one Raffle Ticket. Be sure to visit our website, https://pcapotomac.org where we will announce the Raffle Prizes.

The Raffle Winner will be chosen by random draw at the Awards Ceremony after players have completed play, and winners do not have to be present to win. Proceeds from Raffle Ticket purchases will go to our club charity, the Carol Jean Cancer Foundation.

For players, we will have contests based on golf skill, others based on creativity, and other based on just plain luck. In fact, we've already kicked off the First Contest – read more about it and other details on our website.

And here is the next contest: Who is the owner of this lovely blue car pictured below?

Prizes will be awarded to the first five (5) people who register for the event at http://MotorSportReg.com and send in a correct answer to DriveandDine@pcapotomac.com.



DIY Turbo-Look Spoiler aka Franken-Lid



Story and photos by Bob Williams for der Vorgänger

People who know me, know that I suffer from a serious, untreatable affliction. It's true, I have the "I can make that better" disease! While it impacts most of my life, it wreaks havoc with my cars. Case in point, my perfectly good, very nice, factory '84 Turbo-Look 911 Coupe. After purchasing it about 12 years ago, it immediately got RSR struts, new torsion bars, dropped about 2 inches, soft tires, and an aggressive alignment. All done on evenings and weekends in my garage at home!

Then the dreaded 3.2 liter valve guide problem surfaced and I decided to have Ivan Arzola at IMA Motorsport give me a hand and we pulled the motor out and tore it down. Somehow, my valve guide project morphed into a monster twin-turbo conversion, now known as the "Turbo-Look-No-More Project." But...that is a different story!

Since the monster motor has a custom fabricated gigantic intercooler, the Turbo-Look deck lid would not clear the new piece (Porsche just sticks a turbo tail on a regular deck lid on Turbo-Looks so you have to cut the stock deck lid extensively to clear an intercooler). Not really wanting to cut up the factory part, I decided to create a new deck lid more suited to the subtle motor upgrades.

From years of racing and tinkering, I seem to have accumulated a basement full of parts, including a poorly made IROC whale tail replica (seriously, the company who sells this piece should be embarrassed to have their name on it!). Using this crappy part as a base, the first task was



to modify it to accommodate the huge intercooler. Thus started the "Franken-Lid" project.



Left: The form added to collect the foam

Top: The project car.

intercooler.

Left: The donor lid did not have space for the

Bottom: The foam sculpted to form the desired shape.



As you can see, the shape of the tail seriously encroaches on the engine bay. So, a major change in the profile of the back portion of the tail was needed. I started by sealing the back of the tail with a garbage bag and filled the bag with pourfoam, a two part catalyzing expanding poly foam.

Next, I poured the liquid foam into the bagged



Far right: Drilled and ready for fiberglass.

Right: Another look at the foam form in place ready for a layer of fiberglass.



space and waited a few minutes. The expansion of the foam is so dramatic that it actually popped the bag and tape off of the deck lid! This is really cool stuff to play with. Then I removed all of the tape and plastic and started sculpting the shape of the new profile with a hack saw blade and 36 grit sand paper.

After lots of shaping and adjusting I was finally happy with the rear profile of Frankin-Lid. Now it was time to make it a permanent and structural part of the lid. Since the back wall of the lid will take most of the force and impact when the lid is closed and latched, I had to make sure the new



fiberglass would fully bond and integrate with the original part. To enhance the bond, I drilled many 5/16" holes in the existing lid along the bonding lines all around the foam.

Finally, I laid up several layers of cloth, reinforcing strips, and shredded glass fibers to form the structural portion of the rear of the lid. It is rough and looks pretty nasty but this is just the initial lay-up. The next step is to roughly shape it, skim with bondo to level, and then cover with



a final application of a fine weave cloth. That will be covered in "Part 2"!

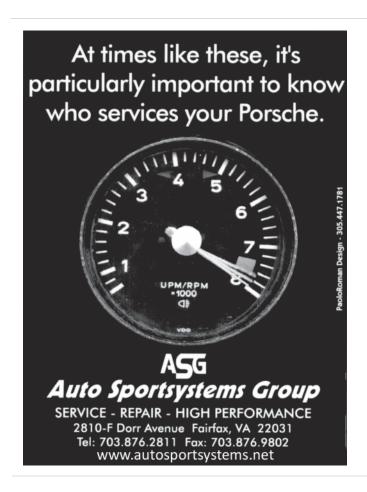
What is next? I have many more changes planned for this lid! The whale tail will be expanded about 4" on each side and will feature carbon-kevlar endplates, the intercooler opening will be cut and sized to fit the new piece, and a large air intake scoop (yet to be fabricated) will be bonded to the top of the lid to grab air from the rear window and force it through the intercooler.



Left: Fiberglass applied and dried. Ready for trimming and sanding.



Left: After the inital lay-





Reading Your Tires 101

Article by Collin Mechler for der Vorgänger

To the casual track day-goer, chances are the tires you're driving on are those originally fitted by the factory. On higher-end sports cars, these tires tend to be decent summer tires, capable of driving at 7/10ths for a few laps (or out for a spirited Sunday jaunt along the Blue Ridge Parkway for hours on end) with no ill effects. But take a look at the more dedicated track enthusiast or the racers: they're using dedicated racing tires, which are much more capable of handling the brutal conditions we subject them to on a race track.

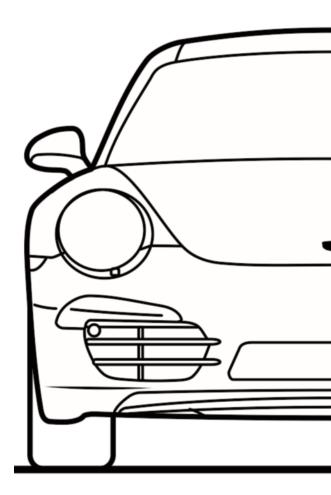
So what is the difference between street tires and production tires? The principle difference lies with the rubber compound's ability to manage heat. As we all know, friction produces heat: to a point, this heat is a good byproduct as it softens the rubber compound, thereby making the tire even stickier (notice the reinforcing loop). However, unless the tire can manage the heat appropriately, the carcass may react negatively when experiencing too much heat. Unfortunately, street tires are not capable of appropriate levels of heat management when subjected to high thermal loads - they are designed to provide optimal friction under street-like conditions. The temperatures experienced on track can easily be anywhere from 50 to 150 degrees warmer, positively brutal to the average street tire. Consequently, we most commonly see street tires degrading in the form of chunking – where the compound literally fractures from itself due to the rubber compound failing.

Regardless of whether the driver is using street or race tires, the principles for "reading the tire" are the same. Before heading out, remember that the tire will heat up considerably, causing the air pressure to rise by 5-15 psi. Ask your trusted tire guy for guidance on a good cold pressure for your car/tire combo. In order to determine how the tire wore over the course of a session, draw four or five lines with a tire marker, paint pen, or white-out pen at even points around (and perpendicular to) the circumference, overlapping the tread and sidewall by ~1" each.

During the session, ensure the driver is driving the car hard enough (and long enough) to suitably heat the tires. Racing tires typically take longer than on street tires.

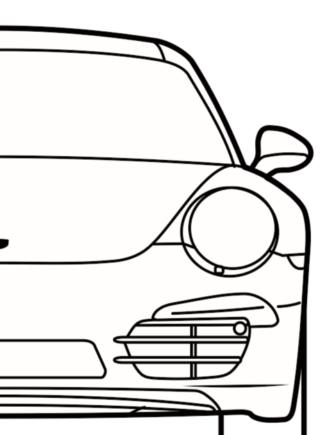
After your session, visually inspect the tires every time the car comes into the pits. Look for tears along the sidewall, nails/screws/objects in the carcass, and view how the tire wore across the width of the tread. Does the wear look even? Immediately take tire pressures to provide a reading for hot pressures and a frame of reference. Use the lines you drew to determine how the tire is wearing – the wear should span the entire width of the tire tread without overlapping much onto the sidewall. If in doubt, fellow racers or your trusted tire guy can help provide input as to whether the tire is wearing properly.

Use this wear indicator to determine whether air should be added or removed from the hot pressure. To help optimize the trial-and-error



process, ask for guidance from an experienced driver with experience in a similar car to yours. Continue this process after each session, as the driver may become more comfortable in the car and wear the tires differently next time.

As we know, there is more that goes into the efficacy of a tire than simply air pressure. The wheel's alignment (primarily the camber, which is the vertical "tilt" of the wheel with respect to the road) contributes substantially to how well the tire remains in contact with the road. In order to paint an accurate picture of the tire's performance, a new tool will be required: temperature gauge. A temperature gauge will assist with determining if a change in camber is warranted. The most accurate of the readily-available gauges are probe-type pyrometers. These gauges feature a probe which is physically stuck into the tire to take the temperature reading. A less-accurate (yet



considerably cheaper) alternative is the IR gun, which measures temps by reading the infrared signature of the tire at the surface.

Never bother taking tire temps in the paddock – by then, the tires will have cooled down enough that the readings will no longer be accurate. Ideally, with the tires sufficiently warmed up, drive the car hard and immediately head into the pits, where an assistant will be waiting to take the temps.

"Optimal" camber is typically achieved when the outside of the tire is 10-20 degrees F lower than the inside of the tire. This will also provide the most even wear and best contact patch. To find these measurements, three readings must be taken across the width of the tread: outside, middle, and inside. The outside and inside readings should not be taken on the very edge of the contact patch, but rather ~1" closer to the center. Assuming you are not using a fancy Longacre or SnapOn multi-event probe, I recommend drawing a diagram of the car on a piece of paper beforehand and writing the entries down as you measure - this way, both engineer and driver can analyze the gradients later on, in the paddock. From here, decisions can be made as to whether camber should be added or reduced:

- Outside is too hot → add negative camber ("lay the tire down")
- Inside is too hot → remove negative camber ("stand the tire up")

Finally, don't hesitate to back these decisions up by using the tried-and-true method of visual inspection. Temps are also helpful in determining the correct air pressure required.

As for the other alignment settings, caster and toe, a good rule is to leave them as the factory specified. On most production sports cars, I tend to maximize caster and leave toe settings as-is. These settings will inevitably change on a race car, but this is a topic for another day...

Watkins Glen DE

photos by Carrie Albee









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2014 Autocross Update

by Gary Baker, 2014 Autocross Chair, photos by John Walters

The 2014 autocross season is well underway. Porsche Fest 2014 was our fifth event with two more to go giving those drivers hoping for championships an opportunity to move up in the rankings. The next two events (October 12 and November 9) will both be hosted at Baysox Stadium. Please register online early to secure a slot as we have a limited capacity and do regularly fill our events.

I would like to thank all of our participants for joining us this year. If you have not attended one of our events - you really should come try Autocross. It's fun, you won't hurt your car, and you can regale your friends and relatives with stories of harrowing turns and extreme braking! Our program is designed to maximize fun, safety, learning, good Gesellschaft, and of course, fabulous food and great cars.

If you see any of our committee members, usually wearing their Autocross gear, feel free to ask questions or simply thank

them for the fabulous job they have done this year.

I also would like to take this opportunity to personally thank Carol DeZwarte and John Walters for their enthusiastic and greatly appreciated support. John's photos are always a thrill to share with you on our website PCA Po-







tomac.org/Autocross. Carol has been a great all around do everything, all the time champion. She has handled every type of assignment at Autocross – other than Tech.

Michael and Pat Kaunitz have added "delicious" to our other assets. All the wonderful breakfast and lunches they provide donated by these two wonderful people.

Scott Jackels has been another irreplaceable member of our committee. Sometimes I wonder if he may be in a branch of our military as the autocross trailer does feel a bit like a tank. Thank you for your service.

And of course I cannot forget to thank our other committee members. John Vrankovich, Bill Calcagno, Kahlil Natirboff, Aric Moore, Scott van Gorder, David McGrew, John Bendekovic, Howard Leikin and John and Pam Clay who all make the events work. It would not happen without you.

Readers, on behalf of the Autocross Committee, we look forward to our final fun filled events and look forward to sharing the driving excitement with you.

See you at Autocross



991 Oil Change

Story and photos by Michael Sherman for der Vorgänger

Below: Some of the plastic bits I had to remove to finally see an engine.

I crossed over 5000 miles in my 2013 911 so it was time for an oil change. I know the recommended interval is 10,000 but to me it was prudent and never hurts, especially with the first year after the break-in period.



This was a simple oil change - almost on par with my 1986 911 and in some parts even easier (only one drain plug vs. two on the older car). I didn't even have to jack the car up. Overall the process took me about 30 minutes, and most of that time was just waiting to let the old oil drain out. It helps to have the oil

warm to help the oil drain out faster. I just went for a drive before I was planning on doing the oil change.

I pulled my car into the garage and stopped just as my rear tires went up the one-inch lip to my concrete floor, so the whole back end was sticking out of the garage doorway. This allowed me to get under the engine with enough clearance to work and put the drain pan in place. It helps to have a low, wide drain pan. Be sure it can hold up to 10 quarts just to be safe.

The first step was to open the engine bay lid and remove the plastic cover, fans, and air duct. These pieces are held in place with plastic ball joint fittings that just pull out with a minimal amount of force (no tools required). I'll be honest it took me a while to remove these because I wanted to be extra careful to judge the correct amount of force to use to pull the fittings out. I first removed the plastic stiffener around the top lip of the air intake, removed the cover (the part with the silver Carrera badge on it) by pulling





Left: The elusive oil filter housing is found! A 36mm socket gets that cover off.

straight up and separating 8 of the plastic ball sockets that hold it in place. There are four on each side (surrounding the two fans). Then the fans pop out of place with three ball sockets (two at the top, one at the bottom). Next the top of the air intake comes out easily. I just moved the fans off the sides. Some recommend removing the fans completely as theoretically they can come on at any time to cool the engine, and that is a potential danger to have the exposed fans. They

disconnect easily. Be safe around potentially spinning blades.

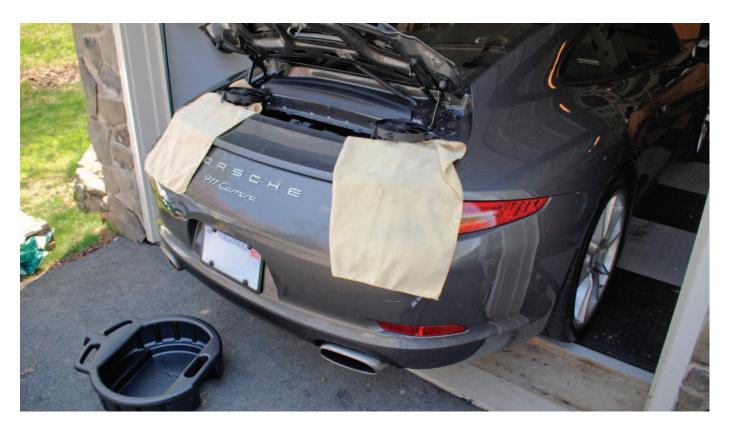
At this point I was amazed - I actually had an engine in there! The 991 engine is so hidden that it's hard to tell what's going on in there, and you certainly see more from the bottom. At this point the oil filter housing was accessible and I loosened the top with a 36mm socket on

Tools/supplies needed

- 36mm socket
- 8mm allen socket
- Socket wrench
- Torque wrench
- Oil drain pan (8 quart capacity)
- New filter, o-ring, crush ring (bought at the local dealer)
- 7-8 quarts 0W-40
- Lots of towels







Above: All ready to slide the oil pan into place. About 7.5 quarts will drain out.

a long extension for my socket wrench. The cap came off and the filter itself was easy to remove. I was careful to watch for oil dripping. I cleaned out some of the pooling oil and then inserted the new filter, put a new o-ring on the filter housing cap, then tightened the cap back on to the specified 19 ft-lbs using my torque wrench. Do not over-tighten as the housing cover is plastic and could easily crack.

I then opened the oil filler cap (to aid drainage), and underneath loosened the 8mm allen socket to drain the oil into my oil pan. The oil drained for quite a while - I think I let it go for about 20 minutes. Reinstallation of the oil plug with a new crush ring was easy and I tightened it to 37 ft-lbs.

After everything was tightened back up and the engine air intake, fans, and cover were back on, I filled it with 7 quarts of Mobil 1 0W-40. I started the car up, checked for obvious leaks below, and verified the oil level; all was good. I checked the oil level again after a couple of days and added a half a quart more. It's easier to start lower and add more to bring it up to the proper level.

Overall very easy and anyone can DIY. Parts were about \$85 total including oil.

At 10,000 miles I'll take it into the dealer for the checkup and they'll do an oil change at that point as well. This was just my own oil change for peace of mind after break-in and after coming up to nearly a year of ownership.



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Mid-June to August 2014 new Potomac members and anniversaries

New members

Matt Albertsen - 2005 911 Carrera S - from Arlington Paul Amato - 1977 911 Carrera 3.0 Targa (Euro) from Washington Robert Bell - 2015 911 Carrera - from Washington David Bergman - 1973 911E Coupe - from Manassas James Berkley - 2014 911 Carrera - from Washington Bill Bosley - 2010 Panamera Turbo - from Springfield Albert Brathwaite - 2013 Cayenne GTS - from Reston Melanie Broga - 2006 Cayman S - from South Riding Dave Brownell - 2010 911 GT3 - from Fairfax Jeff Cesnik - 1996 911 Turbo from Winchester Chia-Lung Chang - 2011 911 Carrera Cabriolet - from Alexandria James Clippinger - 2013 911

Carrera S - from Reston Lee Conger - 2005 Boxster from Springfield Chris Del Rosario - 2006 Boxster - from Alexandria Larry DeWalt - 2014 Cayman Andrew Duncan - 2015 Cayman GTS - from Exmore Tracy Fedor - 2004 911 Carrera Cabriolet - from Woodbridge James Griffin - 2006 911 Carrera Cabriolet - from Man-Robert Henry - 2009 911 Carrera S - from Herndon Daniel Huertas - 2011 911 Turbo - from Arlington Peng & Amanda Jia - 2007 911 GT3 - from Alexandria John Kearin - 2012 911 Carrera S - from Leesburg Christopher Kearney - 1977 911 Carrera 3.0 (Euro) from Washington

Heiko Krimmling - 2008 911

Carrera - from Vienna

Miro Kubinec - 2007 Cayman

S - from Gainesville Rick Landsman - 2013 Boxster S - from Leesburg Steve Ledford - 2007 911 Turbo - from McLean Shiraz Mahyera - 2010 Cayman S - from Potomac Brett Mangum - 1985 911 Carrera - from Montgomery Village Roger Marin - 2008 911 Carrera 4S - from Springfield David Miller - 2006 Cayman S - from Fairfax Areen Movsessian - 2010 911 Turbo - from Germantown James Musgrave - 2015 Cayenne S - from Silver Spring Kevin Naughten - 1982 911 SC Targa - from Reston Harry Newman - 1988 924S from Stephens City Ray Ogundeyin - 1949 356 Targa - from Silver Spring

Larry O'Reilly - 2008 911 Car-

rera S - from Arlington

Anthony Paetro - 1988 928 S4

- from Arlington Ram Prasad - 2009 911 Carrera Cabriolet - from Oak-Matt Riddle - 2011 Cavenne from Mclean Rick Rothenberger - 2005 911 GT3 - from Vienna Wilbert Schwinn - 2012 911 Carrera S - from Chantilly Jay Snider - 2014 Cayenne S from Bealeton Alan Toruno - 1985 944 Coupe - from Gaithersburg Rick Toye - 2003 Boxster from Washington William Tyndall - 2010 911 Carrera Cabriolet - from Chevy Chase Shaun Vodde - 2007 Cayman - from Arlington James Warren - 2014 Boxster from Rockville Terry Yarbrough - 2011 Panamera - from Alexandria

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The Founders' Region, Potomac is the founding region of PCA. The club offers over 100 events each year, including Driver Ed events and free Tech days for all members, Drive 'n Dine and other social events, autocrosses and rallies.

To join the PCA, visit https://www.pca.org/user/join/membership.

Your favorite Founders' Region monthly magazine can benefit from your experiences with your Porsche.

We are always in need of articles and photographs to help tell Porsche stories.

All around us are wonderful stories just waiting to be told. If you feel you don't have the time or expertise to tell those stories yourself, at least pass along your ideas or photos. Here are some ideas that resonate with readers:

- Travel stories that involve a Porsche. An example is Michael Sherman and his wife's trip to Europe for delivery of his new 991.
 - Visits to car museums.
- DIY (Do-It-Yourself) articles on some small or large project that you've done. Examples abound, from rebuilding an engine to replacing hood struts.
- Interviews with interesting people who own interesting Porsches such as the one

on Sal Fanelli, who owns a Porsche *tractor*.

- My first experience with PCA Potomac, which could be what your High Performance Driving Clinic was like, or your first Drivers Education event or just an entertaining Drive 'n Dine.
- Why I Love My Porsche articles are always welcomed. Please include a photo of you with the car.
- Photographs of yourself or fellow Porsche owners enjoying their cars. No low-resolution photos, please; we simply can't use them. Send original sizes.

Write your stories, snap your photos, and send them to *dveditor@pcapotomac.org*.

If you are old school, you may also send hardcopy materials to Carrie Albee at 216 Dill Ave, Frederick, MD 21701.

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Readers and Their Cars

Right: A new 991 runs through an autocross course. Photo by Dedric Baker.



Right: Eric Stratton in his GT3 at Summit Point. Photo by John Walters.

Below: Gary Baker in his 911 Cabriolet at the PorscheFest Autocross. Photo by John Walters.









Above: Revelry at Watkins Glen. Photo by Carrie Albee.



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