

Pferdestärken

BMW CCA
Roadrunner Chapter

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BMW CAR CLUB OF AMERICA ROADRUNNER CHAPTER



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We are well into 2018 now. Your board has been working hard to expand the range and number of events for you to choose from. Go to the calendar on our website to see the various events that have been announced.

In addition to the well-attended breakfasts, we are now holding a monthly dinner on the first Wednesday of every month. These provide an excellent venue for you all to discuss your favorite BMWs – which models and their quirks and foibles (Yes even BMWs have some of those), as well as the fun times you have had in your BMW.

Remembering we are a car club and we enjoy driving cars, we are holding a Bimmers at Bondurant event on Saturday, March 31st. In addition, we are teaming up with the Porsche Club to offer their excellent

track days and Auto Cross events.

Of course we are continuing our Fun Runs to select destinations, including our only overnighter – the Devils Highway Run – based in Alpine (which is on the eastern edge of Arizona). And it might not be too late to enroll in our Bagdad run on Saturday, February 24th.

Other events in the works include our own Car Show and Tech Evenings.

In order to help us hold these events I am excited to announce that Larry Hirsch has been appointed our activities director and I believe that he will help all of the club volunteers as we work to bring these events to fruition.

Of course the club is nothing without you - its members. I

— Foreword —

From Your Treasurer



hope you will show your support for these events by joining us and participating. New members are the only way to expand and grow the club, so please help by inviting friends and relatives to events and then encouraging them to purchase memberships.

This year is off to a great start!

Paul Koreneff, Treasurer

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Jerome Fun Run - Recap

The first Fun Run of the new year turned out to be an awesome day!

More than 50 members came together and convoyed up Interstate 17 North toward the famous haunted old mining town of Jerome, Arizona on January 13th.

With multiple groups, with staggered departures, everyone was able to enjoy the fun route over Mingus Mountain Pass, which still had some snow on the sides of the road from a winter storm a week earlier.

Thankfully, the road was dry and un-crowded and the weather was sunny and clear. I'm sure all the members with convertibles appreciated this when having their tops down.

We would like to extend a special thank you to the owner and staff of The Mile High Cafe in Jerome, Arizona for their excellent service and attention to all club

members. Also, a shout out to those Z club members who came out to the event - it was great to see and drive with all of you.

See you at the next one!



Thankfully, the road was dry and un-crowded and the weather was sunny and clear.



Concours in the Hills - Recap



The 5th annual event was a great success!

A big thank you to all of the BMW owners who brought out their beautiful cars to support a great charity, Phoenix Children's Hospital Foundation. Over \$100,000 was raised for charity and the weather was absolutely beautiful.

With more than 700 cars and greater than 20,000 spectators, there were too many amazing cars to count. This event is still growing and gets bigger and better every year.

All of the German cars had excellent parking positions, and the BMW's had prime positioning just in front of the fountain.

It was certainly a great day for family fun and, for those that lingered to the end, the USMC Cobra attack helicopter made a few farewell loops to cheering crowds over the venue.



Upcoming Events



Click Event Title to View Details!

[BAGDAD, AZ FUN RUN](#)

Saturday, February 24, 2018

[M5 LAUNCH PARTY](#)

Saturday, February 24, 2018

[MONTHLY DINNER & MIXER](#)

Wednesday, March 7, 2018

[AZ PCA DRIVER EDUCATION TRACK EVENT](#)

Saturday, March 10, 2018

[AZ PCA AUTOCROSS](#)

Saturday, March 17, 2018

[BIMMERS AND BREAKFAST - EAST VALLEY](#)

Saturday, March 24, 2018

[BIMMERS AT BONDURANT](#)

Saturday, March 31, 2018

[See All Upcoming Events](#)

Just Breathe

Article & Photos by Chris Finlay

Have I ever mentioned that I love engines? To most enthusiasts they are the heart and soul of any car. It is my opinion, that every great car has to have an engine to match, or better yet, an engine that truly defines the car.

This is my affliction that may require a 12 step program. When I think of all of my favorite cars in history, they all hit that soft spot in my brain; the one that says that is what mechanical power and glory feels and sounds like. All of the intricate engineering comes together to beautifully conjure up an elixir that is just intoxicating.

With that said, these are strange days, in some ways, to be a BMW enthusiast. For the first time in 25 years there is no BMW on Car and Driver's "10 Best" list. However, as their staffers put it, "Look at the bright side: BMW still builds great engines." It made me think, yes, that was a key element that drew me to the brand decades ago. The sweet sewing-machine-smooth sound of the inline sixes, or the more brutish, but silky, sound of the independent throttle body V8's.

I have a confession to make, I do not own an M3, I own an S65B40 (that's my car's engine code for its V8). Which, by the way, is an S85 V10 with two cylinders hacked off. Both of these engines are highly decorated and the V10 version holds the BMW record for power output for naturally aspirated engines (non turbocharged). They were, however, the end of an era, as BMW no longer makes any naturally aspirated engines.



In fact, this trend is happening to all engine manufacturers, even Ferrari!!! Thankfully, Lamborghini is one of the few hold outs, so it looks like Ferruccio may have the last laugh after all.

What is all the talk about natural aspiration and turbocharging, you might ask?

When I think of all of my favorite cars in history, they all hit that soft spot in my brain

Well, it's the point of this Tech Talk. It's all about breathing. Just like an elite athlete, a car's performance is directly tied to how well it can breathe. Air needs to come in and it needs to come out, just like your lungs.

Combustion engines are basically an air pump, so the power you can create has a direct relationship with not only how well it can get air into its cylinders, but also how efficiently it can be removed through the exhaust. Naturally aspirated engines are limited to regular air pressure to take a breath in, whereas turbocharging utilizes (for lack of a better word) a fan system to force more air in when taking a breath.

Think of it this way - when combusting fuel, more air equals more power. This is why turbocharging can provide greater power for the same size engine without losing efficiency - in fact, it allows in-

creased efficiency.

So, it's not surprising, then, that the cheapest way to make more power from any engine is to allow it to breathe better. In order to improve the intake breath of a non-turbocharged engine you want to open up any restrictions to the cylinders. Typically, this is accomplished by changing the inlet position and providing a less restrictive

air filter.

Similarly, turbocharged engines also have the ability to have the pressure of air (or boost) increased to the cylinders. This can be done by installing a larger, more powerful turbo, or modifying the computer to run the existing turbo harder. Therefore, by tuning the intake side of the breath, a turbocharged engine has a significant advantage over a non-turbocharged engine.

How about exhaling?

After breathing in a nice big deep



Just Breathe - Continued

breath, you want to be able to exhale very quickly and efficiently as well. After all, there really is no use in pulling the air in if you can't get it out. Think of this way; have you ever tried breathing through a straw? Air restriction on either end is not good for power.

Unlike human beings, a car's outward breath is not accomplished by pushing air back out of the intake system, rather it employs a straight-through configuration. Meaning, air comes in the front and out the back, which is the exhaust side. You may be thinking, well all of that air was just exposed to nasty fluids and has been blown up and set on fire, why isn't the exhaust smell unbearable?

Great observation! We all want to breathe clear air, so there are things in your exhaust system to help make that happen called catalytic converters. We also don't want all our vehicles to sound like race cars at 6am when we get in our cars for work - well, most of us don't - so you need some things that will take the harsh cold-start noises out, similar to a muffler. The downside is that both of these systems potentially can restrict how well the car can exhale.

So, opening up the exhaust system for better flow affords both turbocharged and naturally aspirated cars the ability to produce more power. However, most naturally aspirated cars tend to gain less power from an exhaust system. Why is this?

With turbocharged vehicles, since we are dealing with an apparatus that has a purpose of compressing air you can generally expect a larger increase in power mod for mod.

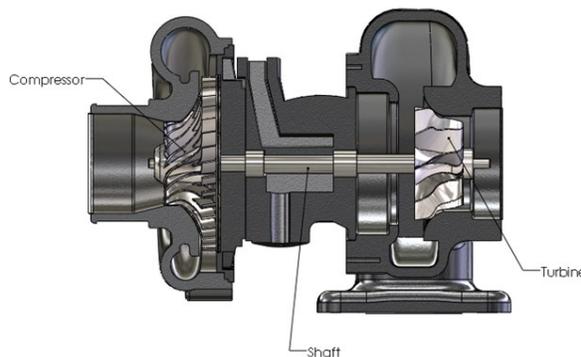
This is due to the RPM of the compressor and turbine being able to in-



crease and create much more power, usually in tandem with a tune to allow it to spin faster and create extra boost pressure, but be careful with exhaust piping diameter since there are specific calculations for power levels that can be achieved with each size. We won't get into that here because that is a whole other tech article!

On the flip side, because of this apparatus, turbocharged engines tend to sound muted or softer, as the compressor and turbine also reduce the engine noise allowed to escape through the exhaust, which also brings about another important restriction - the compressor and turbine.

A turbo compresses ambient air and sends it to be cooled and pushed through the motor, at which point it



is pushed out of the motor in the form of exhaust gas which powers the turbine. If the turbo is undersized then it can run out of steam at higher RPMs, similar to a person that suffers from asthma.

With all of that said, a less restrictive catalytic converter and muffler can improve the flow and unlock more power on both types of engines. It can also make the engine sound better and for many the sound is a very important and very subjective characteristic.

For that reason, exhaust system manufacturers spend a lot of time and money trying to get the sound just right. If you're not sure sound is important just ask a Formula 1 fan what he/she thinks about the sound of modern day cars.

Maybe it's old school, but to me there is no better sound than a Ferrari Formula 1 V12 or V10 at wide open throttle.



New Members and Transfers

Welcome to Our New Members:

Troy Cameron Ball	Mike Brouillette	Ted Carlson	Michael Cugini	Jason King
Jeff Kuchta	Charlie Leight	Jonathan Macaulay	Mark Malin	Robert Muntz
Dan Payne	Mark Raczkowski	Joseph Spano	John Strusienski	Scott Davis
Martin Ercoline	Andy Erlich	Ryan P Fischer	Cassie Greene	Tim Macy
Carlos Monell	Charles Nafziger	Rosemarie Robinson	Robert L Sypult	Hunter L West
Rodney Williams				

Welcome to Those Who Have Transferred from Other Chapters:

Keith Konkoli	Christopher A. Aguirre	Eddie Archuleta	Jefferson Green	Samit Patel	Charles McGinley
Stephen Munk	Taylor Thomas House	Aspen Rose Randolph	David Schuster	John Wright	Mark H. Weinberg

Anniversaries

Let Us Celebrate the Milestones Achieved by These Members:

30 years: James H. Silvia, Stephen D. Harris

25 years: Lawrence I. Shore

20 years: John Ainlay, Elton Juno, Joanne Juno, A. B. Cerda, Marcus Strom

15 years: Emil Gizzi, Scott Bilgo

10 Years: John Van Slyke, Maria Veltri

5 years: Tracey Bennett, William Steven Bowers, Brenda Van Slyke

1 year: Emmanuel Alvarado, Alex Beatovic, Alan Davis, Charles Grant, Bruce Hubbard, Gregory Cowan, Austin W Kramer, Ric Mabie, Chris Perkins, William Callan Ribadeneira,

*Congratulations and
Thank You for
renewing your
memberships!*

Member Benefits



[Click Here to View BMW Car Club of America Member Discounts](#)

Membership Rewards Rebate: [VEHICLE](#) / [MOTORCYCLE](#)

Roadrunner Chapter Preferred Vendors:

We have created this section to offer members a resource for vendors that at least one member of our board staff has personally used, with no discounts or freebies, before allowing these companies to be listed here. They have proven that they align well with the club and have graciously offered discounts for fellow Roadrunner Chapter members.

	Business Name	Business Type	Website	Discount
	The Stables	Auto Detailing, Storage, and Management	stablesgroup.com	10%
	2UTire & Wheel	Mobile Tire and Wheel Sales / Installation	2utire.com	Varies

Member Spotlight

Name: John DeMoss
Member Since 1999
Birthday: December 13
Hometown: Edina, Minnesota
Spouse: Marjorie
Children: Alexa - 15 & Costa - 11

— Favorite —

Book: Moby Dick
Food: Mexican!
Movie: Bourne Identity
TV Show: The Grand Tour

Best Driving Advice Ever Received: Brake in a straight line!



Contribute

Whether you have event photos to share, or an interesting story, members are encouraged to submit content so that they can be considered for publication in the Chapter Newsletter, on the Facebook page, or on the Chapter website. Please send material to editor@roadrunnerbmw.org

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of America



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BMW Car Club of America Official Mission:

To enhance the BMW experience for our members by providing services, support, information, and activities that promote camaraderie and encourage social awareness and responsibility.

Unofficially, we're a big support group for the Ultimate Driving Machine addiction. At the heart of our values is the promotion of motoring citizenship, lifelong driving skills and social responsibility. We live those values by actively supporting the BMW Car Club of America Foundation and its Tire Rack Street Survival Program.



Oktoberfest 2018

Did you know that the largest event the BMW Car Club of America holds, at a National level, is Oktoberfest?

This year Oktoberfest will be held in Pittsburgh, PA from July 9th through 15th. I know what you are thinking, "Ummm, why isn't it in October?..." It has been planned this way in order to coincide with the Pittsburgh Vintage Grand Prix.



Are you a WordPress whiz that speaks fluent HTML, PHP, CSS etc.? Are you passionate about BMW's and want to share your coding passion and skills? If so, then please read on!

We've just converted to PHP 7.0, are looking for a qualified individual to keep us running smoothly, and would love to meet you!

[View More Info and Apply](#)

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Change of Address?

All changes/additions to your contact information for the Club must be made through the National Office.

Please click or call: www.bmwcca.org or (864) 250-0022

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The BMW Car Club of America, Inc. is a not-for-profit national association of over 70,000 members, dedicated to the enjoyment of driving BMWs. Membership is not limited to BMW owners and aims to provide access to driving and social events, maintenance and technical information, parts discounts, and more.

For a new membership or to renew an existing one, please visit the BMW CCA website at bmwcca.org or call the national office toll free at (800) 878-9292. Credit cards are accepted.

Membership updates: Member address and contact information corrections are only accepted at the BMW CCA website at bmwcca.org or by calling the national office toll free at (800) 878-9292.

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- To send newsletters and other publications to you.
- To help us create content and events most relevant to you.
- To alert you to updated information and other new services from the chapter using an email announcement list.

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