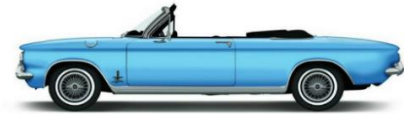




# Leaky Seal

*Corvair*

August 2021



Corvair Minnesota Newsletter

## *President's message:*

I'm writing this Saturday night in our air-conditioned house. I'm hot, and not in the mood for more hot, humid weather this week. I really wanted to go to New Ulm, it sure sounded fun, but the heat won.

Last night in North St. Paul was hot, and only 5 vehicles showed up, quite disappointing. It was a chance to promote our Car Club; it certainly was not a highlight for us.

Elections are coming in a few months. At our August 10th meeting an election committee will be formed, and the process will begin. President, Vice president, and a two year Board of directors member is up for election.

We had a good turnout for our July meeting; let's have more for our August 10th meeting at Ideal Hall.

We need a Corvair Minnesota clothing coordinator to fill the shoes of Bill Cook, please think about it.

## August Birthdays:

Chuck Johnson  
David Quinn  
Vickie Peterson

President Tom

*Tom Quinn*



## Corvair Minnesota, Club Information

June 8, 2021 Meeting

The meeting was opened at 7:01pm. President Tom welcomed new members  
The financial report was read and accepted.  
The previous minutes from July were not read, as Amber was not in attendance.  
We have 87 members in our Club.  
25 were in attendance at the July meeting.  
The need for volunteers was talked about again. GMCCA representative Dan Quinn gave a preliminary report as the final numbers were not in yet.  
Bill Cook would like to step down from the Corvair clothes line, so we need a replacement...

Ron Scott's position as member at Large will be expiring; we will need someone to take that position also.

A letter from the MUM was read, inviting us to their Ice cream social, July 11; approximately 14 cars were there.

Chris Hefty won the participant money; it was passed on till the August meeting. The new Drawing will be \$45.00.

The meeting was adjourned at 7:45pm  
At which time, dessert was served.  
Thanks Gail!!•

<Minutes were taken by Gail Quinn>

Meeting was adjourned at 7:58pm.

Amber Leah

*Amber Leah*

CMI Secretary



*Bud Brady at 100 – Happy Birthday!!*

### OFFICERS

#### President

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612-600-0360

#### 2 year

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dave14957@gmail.com  
612-385-2241

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Corey Cowden  
Ratrodgers@yahoo.com  
763-226-4477



## **That's What We Do**

In the 1955 movie "Marty" hanging around with his pals it's like what do you want to do? I don't know, what do you want to do? I suppose we can just do what we usually do. Aw, I'm tired of all that. So what do you want to do? I don't know, what do you want to do? My contention in recent years has been that if we just schedule activities they will come. Now I'm not so sure.

Last Fall the Col Steel Cruisers Car show in Hugo and the Frankensteiners Ball in Cambridge were both wildly successful so one might expect things to be really hopping this year as things open back up. That hasn't necessarily been the case. Car Show Breakfast at Ideal Hall was good but not a lot of response about whether we should do it again. GMCCA was good but a little down, temps in the 90s didn't help. Back to the 50s was good but a little down, the canceling and then starting up again was nobody's fault but didn't help. Corvair night at North Saint Paul was good and we had space but not many Corvairs showed up, temps in the 90s didn't help. Caravan to New Ulm looks like it will be good and hopefully the turnout is good. Attendance at our monthly meetings has been good.

Lately to a certain extent we have more of an Eastern crowd where we used to have more of a Western crowd. If folks desire a change of venue they'll have to take the initiative, mere grumbling won't do it. Over the years many of us have endured much traffic and difficulty getting to Corvair meetings. I wish we spent more time in the parking lot with the Corvairs but maybe we just need to wander out and others will follow. So what is it that the membership wants to do? Have we gotten our Activities Director involved? I figured people would be hungry for Corvair things to do. Perhaps people are being cautious, that's certainly understandable. Maybe people are doing new things and returning to the old things not so much. So what do I want to do? I don't know what do you want to do?

There was a little confusion over the upcoming election. I believe the President, Vice President and one Director are up for election this year. The Secretary, Treasurer, Activities Director and the other Director are good for another year. Please be thinking and talking about this.

Dave Pedersen is the Director who is good for another year. He's been doing a great job, he's hands on helpful and is often the first to arrive and the last to leave. His job of 30+ years ended as a direct result of Covid-19 so he's in the process of reinventing himself, no small task for a guy who was happy as a clam where he was. He's got some good years left in him. His wife Holly; children Nick, Casey and Angie; and grandson Aiden are active participants with the Corvairs, especially at Back To The 50s where they have their own hospitality tent on the corner a block SW of the Grandstand.

They're all a lot of fun. Dave's Mothers first car was a '55 Chevy. Out of the blue a guy came along with an offer she couldn't refuse and she used it for money down on a new '62 Monza 2-door, black with a red interior and 102 HP Powerglide. She had it until about '72, her brother had it for a time and our own Bill Cook had it for a time but sold it to someone near Rochester.

In 2013 or so Dave fondly remembered the black Corvair from his childhood but couldn't find it. Looking for something similar as a father/son project they did find a maroon 62 Monza up north of Fargo. They also got the CJ Schmit green '65 in 2017 and the El Corvino project from Gary Nelson in 2018. Can you count parts cars...? Let's just say he's into it. The El Corvino is a work in progress and it's sure fun to see it out and about. He likes to pretend he doesn't like all the attention but don't let him fool you, he soaks it up like a sponge.

*Jim Brandberg*

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## A few upcoming car show opportunities:

### Sad news:

To: 10,000 Lakes Concours Family,

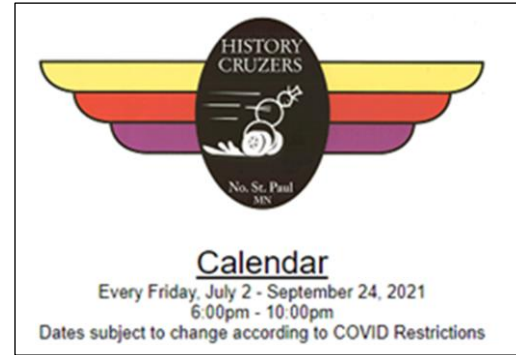
Thank you to the car, boat and motorcycle owners, volunteers, partners, sponsors and friends who have joined together for a great seven years of the 10,000 Lakes Concours d'Elegance. We are grateful for the friendships, partnerships and the support we have had, which has allowed us to raise money for our nonprofit partners over the last seven years.

While the memories and friendships we built will remain, the current financial model is not sustainable to continue holding the 10,000 Lakes Concours. Because of this, we have made the difficult decision that this year's show [2019-ed.] will have been our last and we will not be continuing the event.

From the bottom of our hearts, we thank you for your support, passion and for a fantastic seven year run.

Sincerely,

The 10,000 Lakes Concours Committee



120+ mile tour of beautiful Minnesota countryside, 5 rest stops in communities along the way, finish line finale and award ceremony in New Brighton, part of the Stockyard Days festival. (Lunch stop at Buffalo High School; 11-1)

**DISCOVER**  
**V** *Classic*  
**VICTORIA CAR NIGHT**  
**2021** **5-8 pm**

June 9	June 23	July 14	July 28	Aug 11	Aug 25	Sept 8	Sept 22
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[discovervictoriaclassiccarnight](https://www.discovervictoriaclassiccarnight.com) [www.VictoriaBA.org](http://www.VictoriaBA.org)

- AUG 8 SUN

K J's Refuge Car Show (Solo) 11am-3pm  
Refuge Bar & Grille 11:00 AM

- AUG 14 SAT

Caffeine and Octane Minneapolis 2021  
AutoMotorPlex Medina 2:00 PM

- AUG 15 SUN

Pantowners Annual Car Show & Swap Meet  
Benton County Fairgrounds 7:00 AM

### First Saturday after Labor Day in September: September 11, 2021

Are you a classic car buff? Wheels roll in from all over the state to our Classics by the Lake car show every September. There is no better view than seeing hundreds of beautiful vintage, classic, tricked out cars and trucks on the shores of **Buffalo Lake**.

There are food and beverages available to make it a full day of family fun.

## CORSA News

### WIN A CORVAIR!

...and support the Corvair Preservation Foundation and the Corvair Museum!



This is a great opportunity to get behind the wheel of a Concours-quality 1961 Corvair Monza Coupe...and for only a \$10 raffle ticket investment! But of course, the more raffle tickets you buy the better your chances are of winning.

The raffle runs through June 4, 2022 with the drawing taking place on June 5, 2022.

And if you happen to be in the area, and you want to see the raffle car in person, drop by the Corvair Museum at 10041 Palm Road - a.k.a. Route 66 - in Glenarm, Illinois, just a few short miles south of Springfield.

Click [HERE](#) to buy raffle tickets online. You can also contact a CORSA Division Director or check with a local Corvair Club chapter.

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### CORSA is now offering Virtual memberships for just \$25

New Corvair enthusiasts can become a member of CORSA for a new low price. Join and get all the benefits of CORSA membership:

On line access to the monthly Communique, Members only events, technical information and more- all for about \$2 a month!

Give a gift to a new member at this special price.

#### Here are the details:

- Price: \$25 for twelve months instead of the usual \$37 for online access to CORSA
- Eligibility: All new and existing CORSA members.
- Offer Period: Now to December 31, 2021.
- Effective date for new members: Membership will begin on the date payment is received- register on line
- Effective date for existing members. Existing membership will be extended twelve months beginning on the day after membership would otherwise expire.

#### Important information about the offer:

- One-Time Only: Offer good for 1 sign up or renewal. Individuals can take advantage of the offer one time only. Renewals at this price for one year only.
- Corvair Basics Book: No matter which level of membership is chosen, brand new CORSA members ordinarily receive a free copy of the Corvair Basics book. However, due to the expense, we cannot extend this to persons opting for the \$25 offer.
- Caution! Full Members who apply for any level of Virtual Membership (including the \$25 offer) will immediately stop receiving copies of the CORSA Communique magazine in the mail. (This has always been the case but we mention it here to make sure there is no misunderstanding).
- No Refunds to Facilitate Transition: We cannot issue refunds of dues paid by Full Members to facilitate transitions from Full to any level of Virtual Membership (including the Offer).
- Offer is only good during this time period. No refunds for prior purchase of membership.

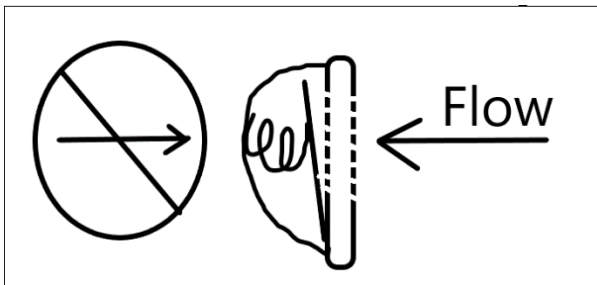
Sign-Up Today on the CORSA Website! Click [HERE](#) to join or Renew Here!

SEE the **CORSA** Website for additional news: [CORSA Headlines \(corvair.org\)](https://www.corvair.org)

## WHO would'a thunk it!

Since I took apart so many CORVAIR fuel pumps in my research project, I had lots of parts lying around. I decided to clean up my work-space and separate the metal into appropriate piles, mainly Aluminum and other. In case you are not familiar with how many parts are in a fuel pump, I'll show you what one looks like – apart! There's the base, that you bolt to the engine. Then there's the valve body and the pump mechanism, topped by the Main spring and the cover. The spring and cover are iron but there are three big pieces of Aluminum to make up the rest – oh, and then there're all the rubber parts, to seal each moving part from the other moving (leaking?) parts.

When the engine pushes up on the pump mechanism – against the spring – it sucks gas in, from the tank, into an inner chamber of the pump, by means of an inlet check valve. When the engine stops pushing on the pump rod, the spring tries to expel the 'chambered gas' by pushing it out through the other check valve – to the carbs. If it doesn't all go out – a common occurrence, that's OK, as the engine/pump only pushes on the spring - not on the gas.



The check valves is what I want to point out today. Here's a sketch of how a check valve looks/works. Fuel is pushed up against the valve and a spring-loaded flapper lifts off its base to allow the flow through the valve— against its spring. If the pressure changes and the flow attempts to go the other way, the spring pushes the flapper shut, preventing reverse flow. Our fuel pump uses two of these to suck the fuel 'in' and then – with a

calibrated spring, to push it back 'out', through an oppositely positioned valve – to the carbs. That big spring gives us the fuel pump's pressure rating. The engine only compresses the spring and then the spring feeds us the fuel. Here you see an actual check valve and its spring-loaded flapper and gasket! Say what?

















The thing that I didn't expect, was the existence of a teeny little gasket underneath the check valve – where it seats into the housing. This would, I presume, reduce any leakage around the closed valve when it is holding back some pressure. It's only 0.050" wide and



punched out of cardboard and/or plastic – actually a fine piece of work. That I had no idea was in there. That makes "more than once" that I've been fooled, Shame on me! OK, so let's still have fun while we, Keep-On-CORVAIRing! *Fran*

Get all kinds of NICE WORDS every time I drive my CORVAIRs around town!

Mecum auction Corvairs sold from collection of Rueban Ezekial of Miami  
[Miami Corvair Collection at Orlando 2021 \(mecum.com\)](https://www.mecum.com)

<p><b>\$8,250</b></p>  <p><b>AMCUM SOLD</b></p>	<p><b>\$13,200</b></p>  <p><b>AMCUM SOLD</b></p>	<p><b>\$7,000</b></p> <p>The BID Goes On...</p> 
<p>LOT T176 1967 Chevrolet Corvair 500 Sport Coupe 164/95 HP, Automatic</p>	<p>LOT T177 1961 Chevrolet Corvair Lakewood 700 Station Wagon 85 HP, Automatic</p>	<p>LOT T178 1960 Chevrolet Corvair 700 Deluxe Sedan 140/80 HP, Automatic</p>
<p><b>\$22,000</b></p>  <p><b>AMCUM SOLD</b></p>	<p><b>\$23,100</b></p>  <p><b>AMCUM SOLD</b></p>	<p><b>\$9,900</b></p>  <p><b>AMCUM SOLD</b></p>
<p>LOT T179 1965 Chevrolet Corvair Sport Coupe 164/110 HP, Automatic</p>	<p>LOT T180 1961 Chevrolet Corvair Rampside 110 HP, Automatic</p>	<p>LOT T181 1960 Chevrolet Corvair 700 Sedan 2.3L, Automatic</p>
<p><b>\$12,100</b></p>  <p><b>AMCUM SOLD</b></p>	<p><b>\$23,650</b></p>  <p><b>AMCUM SOLD</b></p>	<p><b>\$11,550</b></p>  <p><b>AMCUM SOLD</b></p>
<p>LOT T182 1964 Chevrolet Corvair 500 Club Coupe 164/95 HP, 3-Speed</p>	<p>LOT T183 1965 Chevrolet Corvair Corsa Convertible 140 HP, 4-Speed</p>	<p>LOT T184 1966 Chevrolet Corvair Sport Sedan 2.7L/110 HP, Automatic</p>
<p><b>\$20,900</b></p>  <p><b>AMCUM SOLD</b></p>	<p><b>\$13,200</b></p>  <p><b>AMCUM SOLD</b></p>	<p><b>\$14,300</b></p>  <p><b>AMCUM SOLD</b></p>
<p>LOT T185 1962 Chevrolet Corvair 95 Panel Van 145/80 HP, Automatic</p>	<p>LOT T186 1969 Chevrolet Corvair Monza 2.7L, Automatic</p>	<p>LOT T187 1964 Chevrolet Corvair Monza Sedan 164/95 HP, 4-Speed</p>
<p><b>\$24,200</b></p>  <p><b>AMCUM SOLD</b></p>	<p><b>\$13,200</b></p>  <p><b>AMCUM SOLD</b></p>	
<p>LOT T188 1963 Chevrolet Corvair Deluxe Rampside 80 HP, 4-Speed</p>	<p>LOT T189 1968 Chevrolet Corvair 500 Sport Coupe 164/110 HP, Automatic</p>	

## Why A Fuel Return Line? Because of Vapor Lock!

We are all familiar with stories about cooking an egg on a mountain top, where the air pressure is so low that when the water boils it is not hot, so it takes a long time to ‘cook’ the egg. That’s because there is a thing called Vapor Pressure - The effect of that pressure is an important consideration when we are talking about Vapor Lock. Try to think of gasoline as a vapor that has been condensed and is always trying to get back into its Vapor form. That’s why we have carburetors, right? The Fuel Pump lowers the pressure on its ‘IN’ fitting to make the gasoline move to the pump, in the fuel line – it’s called ‘sucking’. Sometimes, if conditions are such, like idling in a summer parade, where the temperature of the fuel in the gas line gets so warm that the lowered pressure, caused by the pump, allows the fuel to evaporate (vaporize) - inside that fuel line! As the engine keeps running, on the filled carbs, the pump keeps on lowering the pressure on the hot gas which just keeps producing more vapor. When the vapor reaches the fuel pump – there’s nothing for the pump to push up into the carb - and you run out of gas. In the middle of the parade!

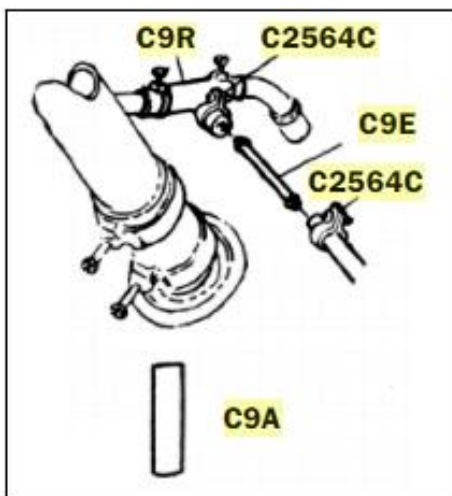
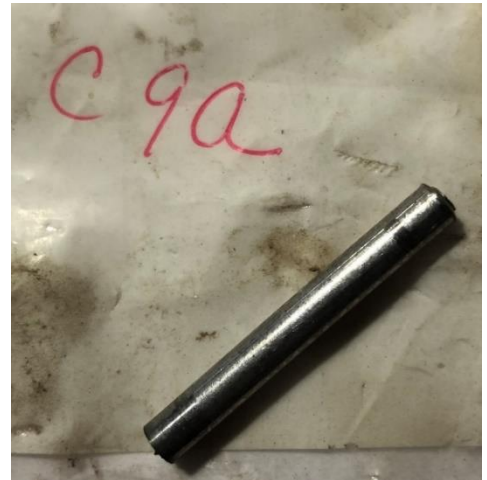
Technically: When the Vapor Pressure meets the Atmospheric Pressure, bubbles will appear inside the bulk of the substance. As you can see, the expression, “boiling hot”, is a misnomer.

Let’s recap: Gasoline will vaporize when its temp exceeds its Boiling Point, which is affected by the air pressure around it. Both temp and pressure determine the boiling point of our gasoline.



To prevent gasoline from boiling (vaporizing) in the fuel line, there is a good way to keep the gas cool - by replacing it with gas from the tank. Even if you are moving slowly, as in a parade, the fuel can be kept cool by adding a return line, after the pump, that pushes some of the fuel back into the tank. The Turbo cars have a fuel filter after the fuel pump. On that filter is a small nipple that allows some fuel to flow, in a dedicated line, all the way back to the tank - allowing the fuel’s suction line to always have cool fuel, preventing Vapor Lock. The FC tank has a nice fitting on its top side – for fuel return from the gas-heater. That gas came from a specially machined fitting on the fuel pump (see photo) which supplied fuel to the heater with a bypass into the FC tank, to keep the fuel flowing. The Turbo tank does not have such a neat nipple, as the FC, so they adapted a hole in the vent line of the filler hose that is used to fill the tank. There’s a large metal tube

that goes into the tank that you use to add fuel at a gas station, but there is also a smaller hose that comes off the top of the tank. That hose vents the tank into the filler tube. The factory returns the hot gasoline (see C9R) into that small hose.



The other day I saw a little envelope on my bench and when I picked it up, I didn’t recognize what was in it. Fortunately, it had a CLARK’s number on it. When I went to their on-line parts catalog and clicked on, C9a, I saw what it was, and why I had it. It’s an inch and a half long and 3/16” diam. Take a look at their drawing, to see where it fits. C9E has bulb-flares on each end and C9a is straight. Your choice, I guess.

Vapor Lock can easily be avoided by using an in-tank fuel pump which raises the pressure in the fuel delivery system, even when it is hot!

Let’s all have FUN, as we Keep-On,\_CORVAIRing... *Fran*



# CMI Classifieds

## 1966 Chevrolet Corvair Monza Convertible



- \* Manual Trans
- \* 85,000 miles
- \* \$10,000
- \* Contact: Ralph @ (612) 554-1251
- \* Car is in Howard Lake June 2021

### For Sale

1960, 1961, 1962 & 1963 New and Very Good Rocker Panel Trim (3 sets)

Also:

- 1960-69 rebuilt starter, includes drive & housing
- Two early FC headlight bezels, very good condition. \$50 each
- 1964 aluminum air grill, new, also fits thru '63. \$150
- Relined late front brake shoes \$30

Contact Jerry Berge at 480-250-8816 June 2021

**FREE** Seats: Fabric VW Jetta seats adapted to fit front and rear of Late 4 door.

Seats are light beige with black stripes. Front seats can be adapted to other Corvairs, not sure about back seat.

Contact: Chris Hefty @ [chefty@usfamily.net](mailto:chefty@usfamily.net) (I can send pictures) July 2021



1963 Chevy Corvair monza convertible  
Call or Text (763) 656-9541

Craigslist: [Corvair convertible](#)

Needs restore  
Floors are not bad - little rust  
Body is decent  
Interior all there  
Top complete but torn  
Manual trans  
Original motor was shot have a turbo spider engine to go in the car  
Lots of parts to put this back on the road  
Also have the spyder dash and glove box  
Open to offers

Aug 2021



**\$6500.** 1964 convertible Corvair. Great condition runs and looks very nice. Manual trans, 54,000 mi. Call John for more information. **763-458-5870**  
Craigslist: [1964 Corvair - cars & trucks - by](#)



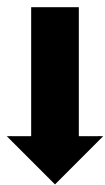
2-1/2T Floor Jack with owners Manual!  
Goes both up and down with ease.  
Going to the highest bidder over \$2.  
Will consider free delivery if distance is reasonable. Fran Schmit Aug 2021

**For Sale?  
Wanted?  
Lost/ Found?  
What have you got?**

### Leeky Seel Classified ads

Do you have a Corvair related item you would like to sell or are in search of? Send your request for an ad in the **Leeky Seel** to: [corvairmleekyseel@hotmail.com](mailto:corvairmleekyseel@hotmail.com).  
**Deadline is the 25<sup>th</sup> of the preceding month.**

**Check us out...**



For more information on  
Corvair Minnesota,  
visit our website:  
[www.corvairminnesota.com](http://www.corvairminnesota.com)

Follow us on  
Facebook:  
Corvair Minnesota



**Spot a Vair!**



**Bruce Silseth at Little Log House Antique  
Pioneer Power show in Hastings - July 25th**

*CMI is a non-profit corporation, chartered with the CORVAIR Society of America. Send CORVAIR Minnesota's \$20.00 annual dues, payable by Jan 01, to the CMI Treasurer. Membership in CORVAIR Minnesota entitles you to the monthly newsletter, the **Leeky Seel**, with free ads for members, a club window sticker, discounts on club activities, information on parts availability and good advice on the preservation and enjoyment of the CORVAIR automobile. **Yeah!***

## **THE LEEKY SEEL**

408 7<sup>th</sup> St S  
Hopkins, MN 55343-7722

**TEMP – RETURN SERVICE REQUESTED**



*The August membership meeting is  
scheduled for the 10<sup>th</sup> at Ideal Hall – social  
hour at 5:30 and meeting beginning at 7:00*