



Wheels in Motion

March 2023





Wheels in Motion

Miata Club of SW Florida Board of Directors

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<https://www.facebook.com/groups/1221394091665789>

Upcoming Events

Annual Arcadia All-Florida Championship Rodeo

Sunday, March 12th
Details on page 8

Annual Picnic & Election

Saturday, March 18th
Lakes Park, Ft Myers
This year it will not be catered
It will be a BOYF (Bring Your Own Food)
Details on page 7



That face you make when
you finish torquing the head
bolts and see the gasket
sitting on the counter

Monthly Meeting

Thursday, March 9th

Beef O'Brady's

1105 Taylor Road, Punta Gorda, FL
(map on the next page)

Monthly meetings are the 2nd Thursday of the month

Dinner at 5pm and meeting at 6pm.

**Please RSVP to Kathy Engler by March 6th
at kathy.engler@gmail.com**

Cover Photos:

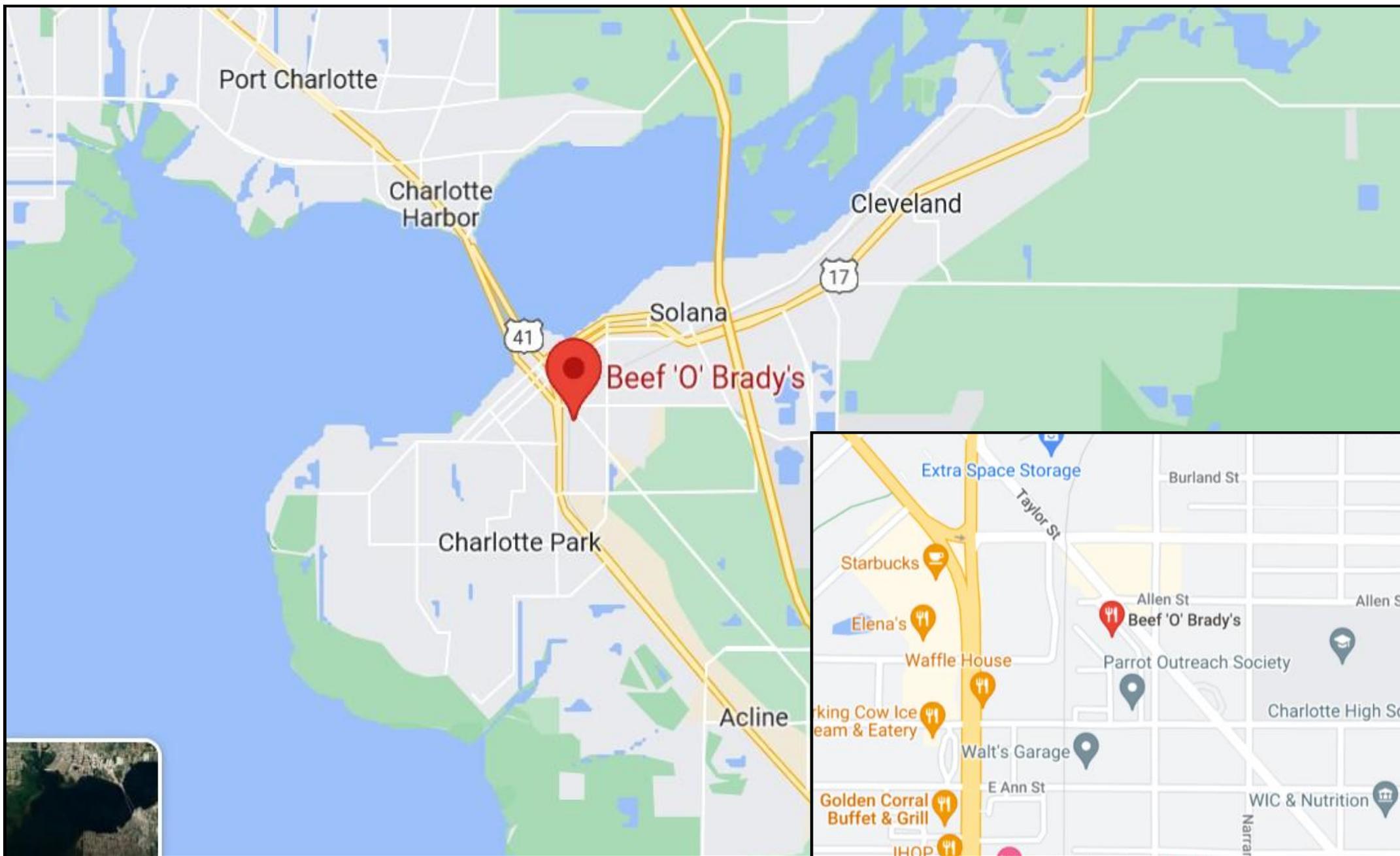
FRONT COVER: (Photo by Ron Lindensmith)
My Miata on the south pier along side of the Sunshine Skyway Bridge.

BACK COVER: (Photo by Kim Greenzweig)
I didn't get photos or a write up from the Seafood Festival event
and only 2 photos and no write up from the Chili Cook Off.
I got quite a few photos from people in the Sunriders Miata Club of
Tampa. So here is their group (plus 4 cars from our club)
at the winery and about to drive the Tail of the Gecko!

JUST FOR FUN

Breakfast Socializer: NEW LOCATION!!!
9:00am Tuesday, March 28th
Golden Coral at 1451 Tamiami Trail,
Punta Gorda, FL 33950

Map to the Miata Club General Membership Meeting



From the Editor's Desk

By Ron Lindensmith

Welcome to the March 2023 edition of the Miata Club of Southwest Florida newsletter. After a busy February, we are now about to renew our memberships, go to the Miata Club of SW Florida Annual Picnic/Election and vote for Club Board of Directors on March 18th at Lakes Park in Ft Myers.

There is no question that the Club has taken some hits and made some changes since the COVID Pandemic and just as we start to recover from that, we get hit by Hurricane Ian. During that time there is little question that we have lacked some leadership. But then nobody else stepped up to take on leadership rolls. Although Phil Western and Allan Engler did fine jobs as President and Vice President in 2020, and then swapped roles in 2021. That meant we didn't have a VP who was ready to take over as President in 2022. Feliza Lymburner was kind of coerced into taking the job as President and as a snowbird who spends half of her year so far north in Maine that even having internet access is tricky, she probably wasn't a great choice.

One of the long time backbones in this Club has been Donna Noyes, the Events Chairperson. She was particularly hard hit by Ian. Even now, 6 full months after Ian, she can't move back into her home in Ft Myers Beach. So she is stepping down from her position.

Sandy Cole, our long time Sunshine Lady lost her husband and has decided to step back from that role in the Club.



And during all the 'down time' due to COVID and Ian, the Club had to cut back. We lost O'brien Mazda as a sponsor due to being bought out by a huge dealership organization and Cox Mazda has been impacted so hard by COVID that they are financially unwilling to continue as a sponsor. Now we need to thank our lucky stars that Ed Howard Mazda in Sarasota has stayed the course and is still a sponsor.

The loss of sponsorship income has been a hit to the Club finances. And the Board of Directors (that includes me) made the decision not to charge member to renew their membership in 2020 or 2021. So now, like so many other organizations, have have had to make the decision to raise our membership dues from \$25 to \$40 a year. And this year's Annual Picnic and Election will not be catered. This year everybody will have to bring their own food and drinks (NO ALCOHOL—park rules).

We have also had a hard time getting events scheduled and an even harder time getting anybody in the Club to volunteer to lead events or trips. On top of that, for many of the events we have run over the past 18 months, Club member turn out has been low. It was not uncommon back before COVID that we would get 20+ cars on any given event. Over the last 18 months, we've been lucky to get anywhere close to 20 cars and some events got only single digit car counts. We even had one in December where 6 cars had RSVP'd and then only one car plus the event leader showed up!

The Board of Directors, with Judy Western's help, set up an Events Committee made up of Judy and 4 other members (Katrina McIntosh, Dick Fischer, Dana Breda and Ron Lindensmith). They put together a list of 2 or 3 events a month and asked for members to step up and lead these events (even with help from the members of the Committee).

Thanks to Pete Ambrus and Gary Stuber for stepping up and leading 2 events. However, the two events in January only had 5 cars each.



Unfortunately, this year's Miata Reunion is going to be held at Sonoma, CA. And given only two of our members went to the Reunion last year when it was just up the road in Birmingham, AL, I don't assume anybody will be going to it in California!

February Membership Meeting & Board of Directors Meeting

Pics from the February Membership Meeting.



The February 14th Board of Director's Meeting was attended by just 9 people!

Five Board Members out of thirteen possible made the meeting. The President was MIA, VP was on a cruise, the Treasurer had to work, the 2 Dealer Liaisons for Cox and Ft Myers Mazda are being eliminated due to the dealerships not being sponsors anymore, the Event Coordinator and Sunshine Lady are both retiring next month. There were 4 members who showed up that are not on the Board of Directors (thank you for attending).

The Annual Picnic/Election on Saturday, March 18th was discussed. Members are invited to arrive to Lakes Park any time after they open at 7am. We have Shelter D reserved all day. You can eat lunch (this year you have to bring your own) any time you want. We will start an official meeting at 1:00pm for the purpose of holding an election for the next Board of Directors.

We have one Board position that is currently open and as far as we know, nobody has offered to step up and run for it. The position is Event Coordinator which has been held for years by Donna Noyes. Donna has submitted her retirement as she has lots of more important things to deal with since Hurricane Ian. If you have any desire to get a bit more involved in the Club and help out, here is your chance. It's not a hard job and it offers the opportunity to get to know more members. The work is mostly sending global emails and helping keep the event calendar (I keep one for the newsletter as well). Either the Event Coordinator or their designee will go to the General Membership Meetings each month and update the members on the upcoming trips and events, often just by introducing the specific event volunteer leader to do the updating. Both Donna Noyes and Ron Lindensmith are also willing to help you get settled into the job.

It would be good if you weren't a snowbird, but that's not a automatic reason not to try helping out. And sending bulk emails is pretty easy once you learn how to pull all the addresses off the roster. Again, this is pretty easy. Due to COVID and Hurricane Ian, we have been trying to get at least 1 or 2 events scheduled each month, at least during season. We may do less during the summer.

This is one of the biggest hurdles we have to overcome for the election. If you have ever considered getting a little more involved, please let us know. You can email or call Ron Lindensmith, or any other member of the Board listed on page 2 of this newsletter.

Miata Club Annual Picnic & Election

Saturday, May 18th, will be the Annual Miata Club Picnic & Election. It will be a bit different this year as it will not be catered. This will be a 'Bring Your Own Food & Beverages' like a normal family picnic. Will will be in the usual spot at Lakes Park under the Shelter D at the far west end of the parking area (see map on the next page). Arrive whenever you want and enjoy any of the Lake Park attractions. I know Elaine and I will be there early and wandering around taking photos (there should be some water fowl around the edges of the lake).

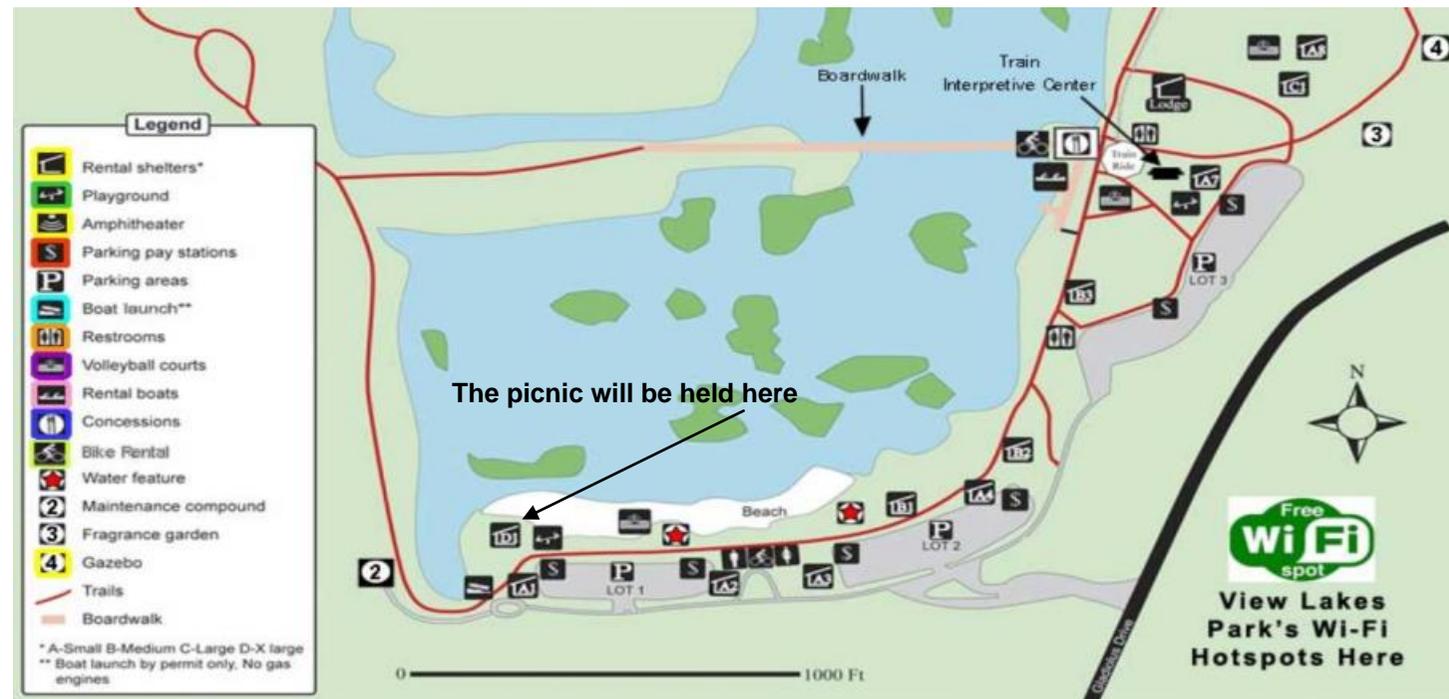
The election will take place at 1:00pm (after lunch). We have a number of positions that will need to be filled this year. President will be filled by Allan Engler who will move up from VP in the way our by-laws intended it to work. Vice President will therefore be open and that involves the commitment to becoming the President in March of 2024. Donna Noyes is stepping down from her role as Events Coordinator and that is a position that really needs to be filled. Sandy Cole is stepping down from her position as the Sunshine Lady and that position will need to be filled.

The Dealer Liaison positions to the Cox Mazda and Mazda of Ft Myers, held by Bill Watts and Jerry Davis, will be eliminated as these dealerships no longer wish to be involved as sponsors to the Miata Club. Dennis Laslo will be staying on as the Liaison to Ed Howard

Mazda in Sarasota who is still a participating sponsor with the Club.

All the other members of the Board of Directors intend to stay in their positions, but that doesn't mean if you want to get involved, you can't run against them. After all, this is an election. Of course the positions of Vice President (an easy job) and Events Coordinator (a communications job) are both wide open and need to be filled. If anybody wants to run for newsletter editor, I'd be willing to step aside and spend as much time as needed to help train you. BTW, it might be a REALLY good idea to start getting somebody trained to do the newsletter as I suspect this may be my last year. It's been a fun job. It's kind of like doing a jigsaw puzzle with parts that you can manipulate to make them fit. It also gives you the chance to get to know a few more members who often help out. And there is very little time constraint with the job as you can work on the newsletter at your convenience most of the time. I probably spend 10 to 20 hours a month to do the newsletter the way I do it. It could be done faster and with less content and most members might not even notice! If I got replaced next year (2024) I might be willing to run for VP and follow up as President in 2025... maybe...

Lakes Park Map



Annual Arcadia All-Florida Championship Rodeo

**Sunday March 12, 2023 is the
Annual Arcadia All-Florida
Championship Rodeo
final award day!**

We really enjoyed the rodeo last year. The surroundings are fun, the events were amazing and the food was great. Unfortunately we cannot schedule seats together, but we were pretty close to each other last year. The seats are selling fast and it was recommended that we go online to purchase our seats. The seats, Premium (not premium plus!) with backs are \$45.00 each, and there is a \$10.00 parking fee. There are seats available right now in sections D, E, G and H. We may not get to sit right next to each other, but we can still get together for looking around and eating. It's worth it!!

Anyone who wants to go should get tickets right away!

The gates open at 11:00 am, pre-show events begin at 1:00pm, and the rodeo begins at 2:00pm.

More info in the next newsletter about where we are meeting etc

www.ArcadiaRodeo.com. the web site if you choose to order online
The phone numbers are 863-494-2014, or 800-749-7633,
if you choose to call to order.

**Contact Janet Keller,
with questions at 239-470-9093**

The ability to speak several languages is an asset, but the ability to keep your mouth shut in any language is priceless.
Be decisive. Right or wrong, make a decision. The road is paved with flat squirrels who couldn't make a decision.

Happiness is not having to set the alarm clock.

When I get a headache, I take two aspirin and keep away from children just like the bottle says. *(the editor's favorite!)*

Just once, I want the prompt for username and password to say, "Close enough."
If you see me talking to myself, just move along. I'm self-employed. We're having a meeting.

I hate it when I can't figure out how to operate the iPad and my tech support guy is asleep. He's 5 and it's past his bedtime.

Tip for a successful marriage: Don't ask your wife when dinner will be ready while she's mowing the lawn.

So, you drive across town to a gym to walk on a treadmill?

I decided to stop calling the bathroom "John" and renamed it the "Jim". I feel so much better saying I went to the Jim this morning.

Last year I joined a support group for procrastinators. We haven't met yet.

Why do I have to press one for English when you're just going to transfer me to someone I can't understand anyway?

Commandments for Seniors...

You don't need anger management. You need people to stop pissing you off.

Your people skills are fine. It's your tolerance for idiots that needs work.

"On time" is when you get there.

Even duct tape can't fix stupid – but it does muffle the sound.

It would be wonderful if we could put ourselves in the dryer for ten minutes, then come out wrinkle-free and three sizes smaller.

Lately, you've noticed that people your age are much older than you.

"One for the road" means peeing before you leave the house.



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2022 MX-5

Show your
SW FL Miata Club Membership Card
for
10% Discounts on Service and Parts



Photo of the Month

Sunshine Skyway Bridge at sunset. Shot from Piney Point boat ramp over 4 miles away from the bridge on the SE shore of Tampa Bay.

Chili Cook-off



Cape Coral Car Show

As far as anybody let me know, Mike McIntosh was the only member to attend the Cape Coral Car Show. And he sent me photos!
Thank you Mike!



Sunrider Miata Club of Tampa

Winery Tour & Tail of the Gecko Drive

By Ron Lindensmith



I was one Miata out of four that are members of the Miata Club of SW Florida that participated in the Sunriders Miata Club of Tampa's trip to a winery, a drive on the Tail of the Gecko and finished with a stop for ice cream. Three of us are also members of the Sunriders Club.

We met at the rest area at the north end of the Sunshine Skyway Bridge. I believe we had over 35 cars. Gerald Blum, the club President of the Sunriders Miata Club of Tampa gave instructions and directions to the group.

We drove to a cute winery where we had a nice buffet lunch and a... lecture, about good and



bad wines. I guess if you really care about your wines, it might have been worth hearing. I almost never drink the stuff, so it didn't register much with me.

I was really hoping we would get to see some of the facilities and hear some about how wine is made. But there was no tour and little about the making of wine.

I do have to admit, they made a serious point about how to park our cars at the winery. The lot is kind of small and with 35+ cars, we filled it up.



After lunch we had a bit of time to chat and look around outside. It was a nice day and I got to meet and chat with several members of the Sunriders Miata Club.

Then we headed out for the drive on The Tail of the Gecko. At the drivers meeting Gerald handed out stickers for the 'Tail'. I guess they are similar to ones you can get when you do the Tail of the Dragon.

The Sunriders are scheduling a drive to do the Tail of the Dragon. I would love to go, but I think they are scheduling it for the weekend I'm leaving on a photography tour of Yellowstone with the Road Scholars (we do most of our vacations with them now).

Back to our drive. The Tail of the Gecko is shorter than I would have liked, but there isn't much anybody can do about that. Some of it was a regular 2 lane road with a few sweepers and some 90 degree turns, sometimes even 2 in a row. Then some of it was really more of a one lane road with two way traffic! If you had somebody coming the other way, you had to get 2 wheels off of the road. Fortunately, the shoulder of the road was in very good condition

and mostly grass right up to the edge of the road.

Gerald Blum lead and I was behind him. We both have a lot of race experience in our background and he has done the Tail of the Gecko before, so I was quite comfortable following him. We took some of the 90 degree corners





This is the view from the back end of the group while on our way through a nice neighborhood on the way to ice cream.

kind of quick and on the gas as we exited the turns. The sweepers we took at a good pace, but nothing I considered 'scary'. The straights were mostly at or just above the speed limit.

If I were going to do the Tail again, by myself, I'd probably take it quite a bit faster... but that's just me.

Some of the scenery has quite nice. If I had been on my own, I would have stopped a couple of times to take photos. One straight stretch of road had big trees on either side of the road and they had grown together over the road. It almost made it like a tunnel... very cool.

After the Tail, we drove through some very nice neighborhoods to get to an ice cream stand. That made for another chance to chat with some new friends. Although I felt the drive on the Tail was a bit calm, I did hear a few people expressing their concerns about not being able to keep up with the group.

After the ice cream, we all headed home. My GPS gave me 2 options. I could drive west and then down I-75 and it would take 2 hours and 10 minutes. Or I could head south and take a bunch of county roads that looked quite curvy and it would take 2 hours and 20 minutes to get home.

Anybody who knows me, knows which route I chose. And I made it home in 2 hours and 5 minutes! There were some really nice high speed (55mph to 60mph speed limit) curves that I got to take going just a bit faster...

I'll be up there again for more photos of the Sunshine Skyway Bridge during full moon set and full moon rise. But they will only be inline with the bridge a few days in the whole of 2023!



Even Gerald and Michelle Blum's dog Maya enjoys a nice afternoon ride in the Miata!

How Christian von Koenigsegg Bought Back His First Mazda Miata

Like so many of us, Koenigsegg is a Miata man.

The Koenigsegg family doesn't own a Koenigsegg. Every car the company made gets sold, including the development prototypes. This means that while at the moment, Halldora von Koenigsegg drives a Volvo XC90 and a Porsche 911 Targa, Christian von Koenigsegg gets around in a Tesla Model S P85, with a Model 3 being on the way. Yet some eight months ago, he was also reunited with his 1992 Mazda MX-5.



Christian von Koenigsegg

Halldora's family is from Iceland, and she and Christian met during their studies in Brussels around 27 years ago. Back then, Christian had hair, which presumably got blown by the wind in his black Mazda Miata.

The couple sold the car ages ago, but luckily for Christian, last year, one of his employees decided to visit a car show, on the island of Öland

in the Baltic Sea. Here's what Christian told me about his recent Miata adventures:

My first MX-5 has been back in my hands for about eight months. Our transport manager went to a car show on a Swedish island called Öland, and there was this black Mazda MX-5 that said it "used to be Christian von Koenigsegg's car." So, he called me up and I spoke to the owner. I overpaid a little bit to get it back, but now I can enjoy it on warm summer days! It's in great condition, and it's actually as enjoyable as I remembered to drive!

Remember what Gordon Murray said about the Lotus Elan in connection with the McLaren F1's development? Well, Koenigsegg knows what he was on about:

This is a thing about Koenigsegg cars as well. People recognize them mostly for their power, but in many ways, that's not our main priority. I



Jesko, Halldora and Christian von Koenigsegg in front of the new Koenigsegg Jesko at the 2019 Geneva Motor Show.

mean, we prioritize much more that they supposed to be fun and exciting to drive. But that all is overshadowed by the crazy power we also make...yet I think the MX-5 is a good example on how you can have fun with a car with almost no power. And it's an important lesson to always have in the back of your head when you develop super powerful cars.

Jesko, Halldora and Christian von Koenigsegg in front of the

new Koenigsegg Jesko at the 2019 Geneva Motor Show.

Now, Christian von Koenigsegg just needs to find time to get his Miata out of winter storage. Sweden has been sunny lately...

What Does MX-5 Stand for in the Mazda MX-5 Miata?

For over 30 years, the Mazda MX-5 [Miata](#) has been a legend among sports cars. The MX-5 Miata has experienced updates and changes over the years, but the heart and soul have remained the same since its debut. This popular roadster is still compact, lightweight, and has [rear-wheel drive](#). There's no question that it has stood the test of time, but one big question remains unanswered. What does the MX-5 stand for?

The history of the incredible Mazda MX-5 Miata

In the 1970s, Bob Hall, an American motoring journalist, couldn't get out of his head [the concept of a simple and fun sports car](#) that had the look and feel of British sports cars. So, when Hall eventually went to work with Mazda, he spearheaded the design and production of the MX-5 Miata. It debuted at the 1989 Chicago Auto Show and became an instant success due to its simplicity and affordability.



Recognized by the Guinness Book of World Records

The fun little sports car became an instant global phenomenon and went on to break records. According to [Inside Mazda](#), in 2000, the MX-5 Miata was recognized by the Guinness Book of World Records as the world's best-selling two-seater sports car. What an incredible accomplishment to be recognized worldwide.

Continuous innovation

In 2006, Mazda introduced a new version of the MX-5 Miata that featured a retractable hardtop. With this new model, Miata offered an open-top driving experience and gained even more popularity and the ability to reach a wider audience.

The most recent version of the MX-5 Miata, the fourth generation (ND), was released in September 2014 and quickly hit one million units. Not long after, Mazda released a hardtop version known as the Retractable Fastback (RF), which is beloved by those looking for an open-air experience. Through the years, the body style and features have seen updates. However, the initial mission to create a fun and affordable sports car remain the focus of the MX-5 Miata.

What does MX-5 stand for?

Believe it or not, the MX-5 is not just a random number like a serial code. It's actually an acronym for "Mazda Experimental Project – Number 5." So, its full name is the Mazda Experimental Project Number 5 Miata. That is a hard name to remember and too long for car badges, so the name was shortened to the MX-5 Miata.

In fact, most Mazda vehicles are similarly named. For example, there is the Mazda CX-5, whose full name is "Crossover Experimental Project – Number 5." There are slight variations among models, but for the most part, they all follow this naming style.

Where is the Mazda MX-5 Miata today?

Today, the [Mazda](#) MX-5 Miata is still going strong and is widely popular among sports car lovers of all ages around the world. Even those who aren't car enthusiasts have heard of the MX-5 Miata, which shows its popularity and impact over the decades. The most recent update to the ND generation was in 2016. In 2022, Mazda commemorated a remarkable milestone by releasing a limited 25th Anniversary Edition that dazzled Miata lovers everywhere.

The MX-5 Miata is one of the most popular roadsters in the world because it feels like an extension of your body and offers a view of the world from a whole new perspective. Its systematic name demonstrates its rich history and adds to the appeal that is sure to astound for generations to come. For such a small sports car, there is so much to learn, including [safety ratings](#), reviews, and Mazda's future plans for this legendary model.

Toyota and Suzuki Small Sports Car Coming with 1.0-Liter Engine: Report

The mid-engined coupe is said to have 120 hp and weigh as much as the lightest Miata.

By: Adrian Padeanu

In mid-December 2021, Toyota took all of us by surprise when it showed the Sports EV, a conceptual sports car with a purely electric powertrain. Featuring Gazoo Racing badging, the "mid-ship run-about 2-seater" was quickly seen by enthusiasts as a spiritual successor of the MR2. As seen in these official images, it had surprisingly large air intakes, short overhangs, plenty of carbon fiber, and presumably a removable targa top.

Toyota has been tight-lipped about the Sports EV ever since but a new report from Japan claims the company is still interested in coming out with an MR2-like model. *Best Car* magazine reports the baby sports car co-developed with Suzuki and Daihatsu is still happening. We've been hearing this rumor for years, and Toyota showed a conceptual entry-level sports car in Octo-



ber 2015 with the [S-FR concept](#), although that had a front-engine layout.

Toyota Sports EV

6 Photos

The Japanese magazine claims the three domestic automakers are working on an affordable mid-engined [Toyota](#) sports car with a turbo-charged 1.0-liter engine. The three-pot is said to produce nearly 120 horsepower and 200 Newton-meters (147 pound-feet) of torque. It is believed the ICE will have a mild-hybrid setup to provide a small boost and improve fuel economy.

While the rumored output is not exactly impressive, the "Midship Sports" mentioned by *Best Car* is said to weigh just 1,000 kilograms (2,204 pounds). That would make it just about as light as the base [Mazda MX-5](#) with the 1.5-liter engine, which has 129 hp and 150 Nm (111 lb-ft). It's said to be significantly bigger than the Miata and the third-generation MR2 by measuring 4,200 millimeters (165.3 inches) long, 1,720 mm (67.7 in) wide, and 1,220 mm (48 in) tall, with a wheelbase of 2,550 mm (100 in).



Suzuki is reportedly developing the engine while the front suspension will be adapted from the current-generation [Yaris](#). The styling is said

to take cues from the Daihatsu Copen although the rendering published by *Best Car* shows a sleeker sports car that takes itself more seriously. It would be strictly a two-seat affair and carry the Toyota badge.

The alleged Midship Sports is said to cost from 2.2 to 2.8 million yen depending on trim level and options. That works out to \$16,500 to \$21,000 at current exchange rates. As always, especially with rumors that never die yet don't come to fruition either, take these details with the proverbial pinch of salt.

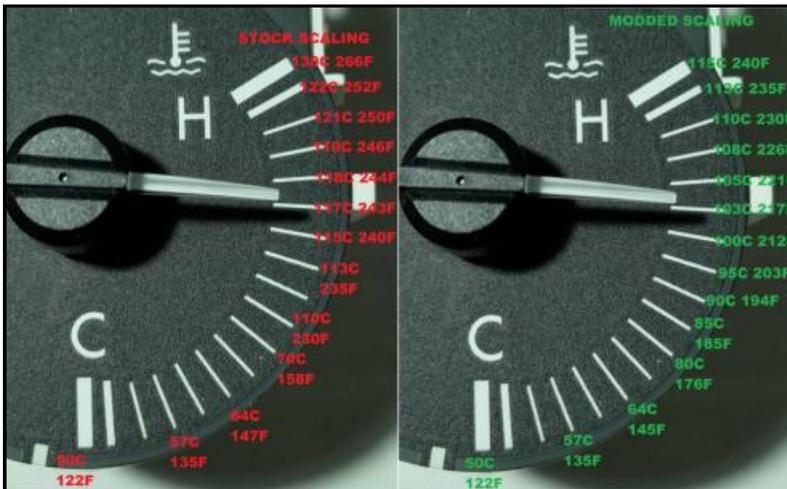
MX5 Cluster Gauge Kit

This nifty little kit will install on the back of your MX5 instrument cluster and work in two ways:

1) digital way: replace the stock oil pressure gauge with a color LCD!



you overheat, the stock coolant gauge won't tell you until engine damage has occurred already. Add that on top of the infamous coolant bottle failure and it needs no more explaining. The exact position of the coolant temp. needle vs measured temperature can be customised to your liking.



a real oil pressure sensor to measure true oil pressure and show it accordingly. The scaling of the oil pressure needle vs. measured oil pressure can be customised to your liking, in case you run a turbo or other engine mods.

2) analogue way: take over control of the stock coolant temperature and oil pressure gauges.

Now why would you do that? Well - **the OEM coolant temperature gauge is not linear and moves off center too late** - at very high temperatures. When

Now about that **OEM oil pressure gauge** that you see moving all the time. Surprise - **that is NOT real oil pressure**. It is a fake value based on engine RPM and coolant temp.

This kit uses a

The best part of this kit is that it retains the OEM look while offering aftermarket features. There is no need for ugly gauge pods sticking out the center of your dashboard - when those inside your instrument cluster already exist and just need a push in the right direction.



Now, for those of you that are more demanding there's the option of ditching the stock oil pressure gauge and installing a small screen in that area. That option will require a bit more DIY and taking the entire cluster apart, but the results will be worth it.

The screen will show you:

coolant temperature(in degC or degF)

oil pressure(in bar or psi or kpa or kg/cm2)

oil temp(in degC or degF)

along with any other information such as air-fuel ratio (AFR), ignition timing, instant fuel economy or whatever else interests you.

There are numerous LCD styling options; please see the number pasted over the product pictures.

Styles #1 -> #4 CHANGE their colors based on the value of the gauge; for example coolant/oil temperature at 100F is written in blue (meaning cold), then at 160F they switch to green, then at 210F they switch to yellow, and at 220F to red.

Styles #5 -> #8 do not change their color at all. They sit close to OEM looks. They can also be mixed together so that during daytime driving you see the white lettering and when you dim the instrument cluster by the knob they turn to that Mazda specific red-orange.

There are also alarm screens that go off at 225F for coolant, 230F for oil, and under 15 psi for oil pressure.



(please excuse the coolant one going off at 220F - the level was later raised to 225F/107C)
All these numeric thresholds are adjustable if so desired (but only before ordering!).

The brightness of the screen is adjustable - by turning on the knob Mazda gave you already. Simple as.

Full hardware can be provided, depending of your configuration:

oil pressure sensor

oil temperature sensor (for LCD version)

combined oil pressure and temperature sensor from Bosch

oil filter adapter to fit above sensors, or 1/4 NPT adapter

wiring harnesses as needed

LCD screen (for LCD version)

For MX5 NCs (2005-2015) the kit needs no extra coolant temperature sensor, as that information is taken from the stock sensor. However, the car only came with an on-off oil pressure switch, so here some more hardware is needed.

The hardware options are as follows:

install **ONLY** an oil pressure sensor (included): the stock pressure switch is taken off and a proper oil pressure sensor is threaded in. The sensor is 1/8" NPT + a 1/4" NPT male to 1/8" NPT female adaptor.

install both oil pressure and oil temp sensors (both supplied and of 1/8" NPT threads): an oil filter adapter is provided; for this the oil filter must be replaced with one of a shorter height so it clears the subframe. This method is the cheapest however installation is not easy and every-time the filter needs to be changed it will be difficult. Turbocharged set-ups may use the 3rd 1/8" NPT port on the oil filter adapter as an oil feed source for their turbo. Otherwise, there's a blanking bolt to use.

Use Bosch 0261230340 combined oil pressure + temp. sensor. Threads into stock OEM pressure switch port using a supplied adapter. Once installed, you'll be able to change the oil filter as normal and get to measure these vital engine parameters. The sensor itself is expensive but surely the absolute best way about measuring oil pressure and temperature on a MX5 NC.

Custom configurations - email me before ordering.

All pressure sensors read up to ~150 psi / 10 bar / 1000kpa.
All temperature sensors read from -40F to 285F / -40C to 140C.

Measurement setup A Oil pressure only	Measurement setup B Oil pressure + oil temp + oil filter adapter	Measurement setup C Bosch 0261230340 Oil pressure + oil temp sensor
 1/8" NPT +  1/4" NPT (screw in OEM oil pressure switch port) +  Plug and play wiring harness	 1/8" NPT +  Oil filter adapter +  Plug and play wiring harness	 M10x1 +  1/4" NPT (screw in OEM oil pressure switch port) +  Plug and play wiring harness
<p>Best way if oil pressure is all that's needed. No hassle when changing oil filters.</p>	<p>Cheapest way for oil press+ oil temp; but unpleasant to use. Also requires a shorter oil filter every oil change (not included). May rip the threads inside OEM filter stand (if over tightened).</p>	<p>Best way for oil pressure + oil temp; once installed there will be no hassle when replacing oil filters. <u>More expensive.</u></p>

For MX5 NB and NA (anything before 2005) fitment is not guaranteed, but the kit in its LCD variant may be used. The analogue gauges in NB and NA can not be modded like those in the NC. The NA/NB also require another coolant temperature sensor to be wired in somewhere; the NC does not.

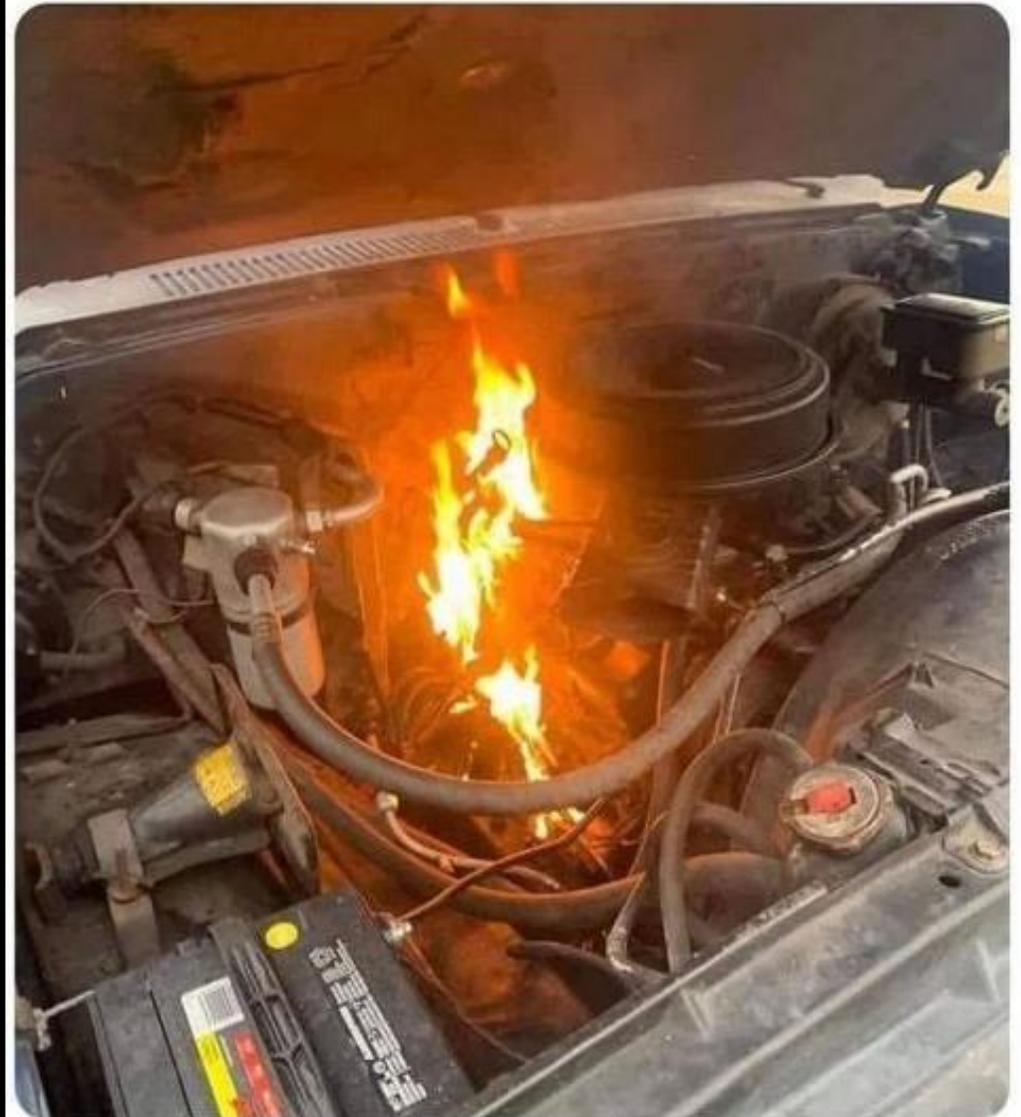
Please note that **SOLDERING IS REQUIRED**. For the LCD version it's as easy as it gets - there's 5 wires to be soldered in 5 places. For the analogue version there's 12 wires that are equally easy to do.

Installation instructions are provided - as a PDF document filled with pictures and text. [You can read it here, click me!](#)

The kit is highly customisable. For example - if one desires JUST one particular gauge or a combination not described above, let me know and I'll add it for you! email me at ciprianrotary@gmail.com



So what does it mean when this light comes on?





The crew from the Sunriders Miata Club of Tampa and the Miata Club of Southwest Florida at the winery.

THE END