



Welcome to The Buckeye Miata Club (BMC) Autocross event. Our purpose is to allow drivers of ALL capabilities to gain a better understanding of the capabilities of their cars (and to have some safe FUN!!!). Our events are open to non members, and to all cars. Feel free to invite others to come out and have some fun!



Please plan to arrive at the site by 8:00am in order to assist with course setup and to stay until 4:30-5pm for teardown and loading the trailer. **It is expected that each driver (members and non-members) help in these activities as well as their work assignments.**

We recommend that you wear tennis shoes and comfortable clothes; be prepared for any kind of weather (yes we race in the rain) and bring water to drink. You may want to bring some light gloves (Mechanix, Jersey, or the like) to protect your hands during setup and teardown. You may also want to bring a chair, suntan lotion, etc... We normally continue racing through the lunch time, so best if you pack a lunch. Please note that alcohol is not permitted on site for both safety and insurance reasons. Feel free to bring guests that wish to watch or even jump in the passenger seat for a ride.

Schedule:

8am-9:15am: Course setup, registration, technical inspection and course walking

9:45am: **MANDATORY** Drivers meeting

10am-~4:30pm: A total of four racing sessions. Each driver will have the opportunity to race in one morning and one afternoon session. When not racing, each driver will be given a work assignment while the other group of drivers race

Registration: (8am-9:15)

Registration starts at 8:00 and ends at 9:15. We limit the field to a maximum of 40 drivers, with BMC members having first priority. Two driver cars are OK. **All drivers must have a valid driver's license.** You will be required to sign a liability waiver. Spectators are permitted, but are asked to stay behind the safety line. Passengers are permitted, but must be at least 12 years of age. All spectators and passengers must also sign a waiver. Anyone under the age of 18 must also have legal guardian sign a minor waiver before they can enter.

The entry fee is - BMC members - \$30 per driver; non members - \$35 per driver.

Technical Inspection

We only have a few basic requirements, but they are very important. During the registration period, please have your car ready for tech inspection. While no special equipment is required (other than helmet), it's up to you to ensure your car is in good working order. We'll check your seat belts, wheel bearings, brake fluid, battery tie downs, etc. We'll also check for loose items in the car that might interfere with your driving (**remove floor mats, coffee cups, loose change, etc**) so clean out your interior and trunk the night before. If you brought a helmet (loaner helmets are available), make sure helmet meets the current or two immediate preceding Snell Foundation standards (SA, K or M), or SFI standards 31.1A, 31.2A, 41.1A, or 41.2A. A roll bar or additional restraints are not required. If Tech declares a car unsafe, it will not be able to run and the driver's entry fee will be refunded. Tech will put a sticker on your car and your helmet. It is the driver's responsibility to make sure they have their car ready. You must have a sticker on both your helmet and car before your first run.

Classes

When registering, you will be asked to supply your car class. Below is a brief description of the classes used for our events (these differ from other clubs and sanctioning bodies):

Miatas

Generation

NA 90-97: +0

NB 99-05: +1

NC 06-13: +2

Tires

201 or higher treadwear: +0

200 or less treadwear: +4

139 or less treadwear: +6

Wheel width

Up to 7.5": +0

7.5-8": +1

8.5"+: +2

Steel wheels: -1

Suspension

Aftermarket front and/or rear sway bars (Update/ Backdate free): +0.5

Aftermarket springs (If a shock has different perch heights(Koni Sport) then the spring perches must be installed in the highest/stock position): +0.5

Any adjustable height coilover unit/kit/sleeve, : +2

Power

Cat-back exhaust, air filter in stock airbox, plugs, wires and other items deemed "maintenance parts" : +0

Aftermarket header, catalytic converter and/or test pipe: +1

Any internal engine mods (Cams, pistons, porting/polishing, etc) And/Or 1.6->1.8, NA->NB engine swaps): +1.5

Any external engine mods (intake, intake manifold, ECU, pulleys,): +1

Iron block engine swap: +3

Aluminum block engine swap: +5

Forced induction (Miata engine, including OEM Mazdaspeeds): +4

VVT(01-05 miata): +1

Drivetrain

Clutch and/or flywheel: +0

Any Torsen (including OEM) or clutch type limited slip differentials: +1

Safety/Comfort/Control

Aftermarket driver seat and/or current SFI/FIA approved 5 or 6 pt harness and/or non OEM steering wheel: +0.5

Lightening

Removal of soft top: +0.5

Removal of front and/or rear bumper supports: +0.25

Removal of carpet, radio, door panels, etc, +.5

Other

Excessive Rice: +1

Previous season(s) class Champion?: +2

Automatic Trans (Miata engine only): -1

Just plain looks fast?: +1

Street Stock : 0-6 points

Modified : 6.25-10.75 points

Unlimited : 11+ points

Non Miatas

"STX" classes will then be split based on their respective SCCA "PAX" ratio. Any "STX" vehicle with a PAX of .825 or more will be in **Leaders**. While any vehicle with an SCCA PAX below .825 will be in **Legends**.

(Explanation of PAX [here](#))

Course Walking:

The course is different from event to event. It is very important that you know where you are going so you should walk the course several times. This is one of the most important parts of your day. During this time, you develop your plan of attack and then adjust it after your first run. Look for the laydown or pointer cones that mark important points along the course. If you knock down a standing cone, you get a 2 second penalty.

While it may look like a miniature road course most Stock class cars will never go over 35 mph and we rarely use 3rd gear (some drivers simply put it in 2nd at the start and then leave it there). Unsure of what to do???? There are plenty of experienced drivers who would be more than happy to walk along the course with you and answer questions – or

ride with you during your runs if you would like.

Drivers Meeting (9:45am):

The course will be closed for walking at 9:45. We will then start the drivers meeting. At the drivers meeting, we will discuss the rules of the day. The standard rules are: no alcohol or illegal drugs; drivers are responsible for their guests; and no tire warm-ups or brake tests allowed on or around the premises including any of the city roads or area parking lots. We will get the cars started as soon as the drivers' meeting is over. Please have yourself and car ready to go before the drivers meeting.

Work Assignments:

All are expected to assist with course setup and teardown. During the event, if you are not driving you will be given a worker assignment. There are a variety of assignments to choose from such as corner working, grid, and timing and scoring.

Other useful Autocross Information:

Buckeye Miata Club: www.buckeyemiataclub.com or Facebook Group: "Buckeye Miata Club Autocross"

Solo II Novice Handbook- Excellent read: www.miata.net/sport/autox.html

Miata performance driving tips: www.miata.net/sport/autox2.html

General Autocross racing information: www.autocross.com