

2011 MODERN MUSCLE X CHALLENGE Official Rules

Class Description

Modern Muscle X Challenge is a racing class for modified high performance street vehicles that are street certified and able to drive over a 30-mile cruise and make 3 back to back passes. All vehicles must submit a resume to Scott Stutler, Prestolite Performance, 10601 Memphis Ave #12, Cleveland, Ohio 44144 or through the website at modernmuscleX.com. 32 Lucky Street Cars meeting the contest requirements will have a chance to win \$10,000. 8 Alternates will be chosen to be on site should any of the original 32 entries not be able to make the call. There will be a \$1000 purse given for the fastest 3 pass average by a 2005 - 2011 Mustang, 2010 - 2011 Camaro, and 2005 - 2011 Dodge-Charger, Challenger, and Chrysler 300.

The 3 brands (One Mustang, One Camaro, and One Mopar) with the fastest (elapsed time, or ET) 3 lap average will compete to win \$1,000 each.

The competitor with the fastest 3 lap average from each brand will be selected to compete in a heads up \$10,000 winner take all shootout that will be contested

8 Alternates will be chosen to be on site should any of the original 32 entries not be able to make the call. Any Modular (including Coyote), LS, or HEMI based engine combinations permitted, and any number and/or type of power adders are permitted. Vehicles must be registered, licensed, and insured. Modern Muscle X Challenge will be conducted at the NMCA JE Pistons Milan Michigan event August 26th – 28th, 2011. Modern Muscle X Challenge does not have a points system. NMCA membership is not required to compete in Modern Muscle X Challenge.

Qualifying Information, Ladder Type, & Tree

40 Car invitational, 32 Car Field, Heads Up .400 Pro Tree.

CLASS RULES, MODERN MUSCLE X CHALLENGE

VEHICLES PERMITTED

All 2005 - 2011 Mustang, 2010 - 2011 Camaro, and 2005 – 2011 Charger, Challenger, Chrysler 300 bodied vehicle powered by the respective production Modular, LS, or HEMI based engine accepted. Dragsters and roadsters prohibited.

ENGINE RULES:

Engine must be Modular\Coyote, LS, or Late Model Hemi style. Only Electronic Fuel Injection will be permitted (EFI). Aftermarket parts permitted.

BODY RULES:

OEM steel (fiberglass/composite if OEM equipped) body shell required. Aftermarket body kits are permitted. Only permitted lightweight components are hood, front valance, rear valance, front and rear bumpers, and rear trunk lid/hatch. Hood is required, may be made of lightweight material. Hood scoops permitted. Any rear wing permitted. OEM safety glass windows required & must be functional. Lexan prohibited.

POWER ADDERS & POWERTRAIN

Production Modular, LS, or HEMI-based engine, and any number and/or type of power adders are permitted. Any manual or automatic transmission is permitted. Any rear end is permitted.

Exhaust system with mufflers is required.

CHASSIS & SUSPENSION

CHASSIS/FRAME: Stock-type chassis, permitted. Stock firewall & stock front frame rails must be in stock location and unmodified. Full tube-type chassis vehicles prohibited.

FRONT SUSPENSION: Stock-type front suspension, or stock bolt-in-type replacement front suspension required. Tubular front suspension components permitted. Coil over shocks/struts are permitted.

REAR SUSPENSION: Stock type chassis and stock type suspension is required. Coil-over shocks and springs permitted for both front and rear suspension. Shocks and spring may be relocated. Standard bolt-on replacement suspension and chassis components are permitted.

Tubular bolt-in front K-members and A-arm kits are permitted. Back-half vehicles are prohibited.

Ladder bars and/or aftermarket 4-links are prohibited. Wheelie bars are prohibited.

STREET EQUIPMENT

In order to compete, all vehicles and/or drivers are required the following:

1. Valid driver's license
2. Valid vehicle registration
3. Valid license plate(s). Dealer plates prohibited. Paper license tag will be accepted on a new model year car with current registration paper work less than 60 days old from current event date
4. Valid insurance "ID" card. Faxes and/or letters from insurance companies and/or brokers not acceptable.
5. Valid state inspection sticker (if required by state vehicle is registered).
6. D.O.T. Radials on front and rear of vehicle.

7. Hood is required, may be made of lightweight material. Hood scoops permitted. Hood/scoop may be liftoff.

8. OEM safety glass windows required & must be functional. Lexan prohibited.

During the tech-in process, vehicle must have operational street equipment, including headlights, taillights, brake lights, turn signals, and horn.

TIRES: FRONT & REAR

DOT legal radial tires required for drive tires during the road tour AND the Modern Muscle X Challenge competition and class run off. Racing/or DOT slicks prohibited at all times.

Maximum actual measured tire size is as follows: D.O.T. radial tires, maximum sidewall designation permitted is 325mm. Tire height is unrestricted. A "go/no-go" gauge will be used to measured tire width. Tire shaving is prohibited. Tire changing is prohibited during or after the road tour. Vehicles equipped from the factory with 345 DOT Radials are permitted to compete with the 345 style DOT Radial on an 18 inch rim.

WHEELS

WHEELS: Spindle-mount front wheels prohibited.

PRODUCT REQUIREMENT: Vehicles must be equipped with any product from at least two of the following manufacturers: Lakewood, Hays, Quicktime, Mr Gasket, ACCEL, or Mallory.

30-MILE CRUISE

There will be a 30 mile supervised cruise on highway and city streets prior to competition, limited to those vehicles that have passed tech inspection. An escort will supervise the cruise in accordance with local laws and ordinances. Each competitor and crew will be responsible for their own actions during the escort and cruise and bear the full responsibility of their actions as they would on city streets. Please be safe and follow all traffic laws during the cruise.

SUPPORT VEHICLES

Support vehicles (i.e., tow vehicles, crew, etc.) are permitted optionally on the road tour, but must trail behind the Modern Muscle X Challenge participants, and the escort, at all times. All support vehicles are responsible for their own actions and must obey all applicable local safety and traffic laws.

DISQUALIFICATION/COMPLETION

Cruise is mandatory in the time allotted for competition. Any vehicle unable to complete the road tour under its own power, within the allotted time, will be disqualified from racing. Any vehicle that falls behind the trailing escort will be disqualified.

COOLDOWN PERIOD/RETURN PROCEDURES

After the vehicles return from the road tour, they will return directly to the designated staging lanes for the cool-down period. They may not change tires. The cool-down period will typically last between 15 to 45 minutes. During this cool down period only, entrants may adjust tire pressure (add or remove tire pressure), install fresh nitrous bottles, install ice in their intercooler (only if located in trunk, rear hatch or rear seat area). A strict CLOSED HOOD policy will be in effect until a competitor has completed his or her three back-to-back passes. No re-fueling allowed once car leaves on cruise. Engines must remain turned off during entire cool-down period. External cooling of engine by any means (cold water, outdoor fans, etc.) prohibited. Any engine changes, repairs, or adjustments (changing rocker arms, carburetor adjustments, etc.) prohibited. Changing of tires prohibited. No laptops in vehicle permitted at any time once the first of the three back-to-back passes is initiated.

RACE FORMAT

When called to "load up" in the staging lanes, all Modern Muscle X Challenge competitors must report to their cars and prepare to make three back-to-back quarter mile passes. All hoods and deck lids must remain secured, as they must remain closed until completion of all three passes. Vehicles with air-to-water intercoolers may not add ice to intercooler tank between back-to-back passes, even if intercooler tank is located in interior of vehicle.

FINAL STANDINGS

After all three quarter mile passes are completed, each racer's ET will be added and the average of these three passes will be computed. The outcome of the 3-run average will be posted Saturday. On a qualifying run, if a contestant properly starts, stages and receives the starter's signal but breaks to the point the run is not completed, a time of 28 seconds is issued and it is considered a valid qualifying run. The quickest average winners of each brand (Ford, Chevy, MOPAR) will be awarded \$1,000 each. These contestants are then automatically entered into the final MMX Shootout.

MMX Shootout:

The Shootout contestants (winners of the \$1,000 prizes) + one "Wild Card" alternate will be announced on Saturday and then run a final heads-up, 2 round shootout for the **\$10,000 grand prize**.

CREW MEMBERS

Crew members are not permitted around participating vehicles, in the staging lanes, or in the

burnout area, between rounds of competition.

BACK-TO-BACK PASSES

Tire pressure may be checked in the staging lanes, or between rounds, and may be lowered. Air may not be added to tires any time during the back-to-back passes. Vehicles are required to make three full passes in order to be included in the final average ET tally. All vehicles must run three passes in the same order as the first pass, any attempt to gain additional cool down time between rounds will result in disqualification. The only possible exception to this rule is the use of a parachute, if required by vehicle speed. One crew member can be placed in the staging lanes to aid in the re-packing of a parachute; however, chute must be re-packed in a manner so as not to be disruptive to competition rounds. There will be a separate staging lane designated for any vehicle needing to re-pack parachutes. Any vehicle unable to start under it's own power will be disqualified. Once all rounds have been completed, prize money and awards will be given based on the final average of all three quarter mile passes. During, and in between, the back-to-back passes, no changes may be made to vehicle other than lowering air pressure in tires. Fresh nitrous bottles, fuel, and ice may not be installed/replenished. Vehicles with air-to-water intercoolers may not add ice to intercooler tank between back-to-back passes, even if intercooler tank is located in interior of vehicle. Driver is the only person allowed to push vehicle in staging lanes between runs. **For the \$10,000 Shootout all maintenance to the vehicles is restored (re-filled bottles, fresh ice, refuel vehicles, etc.).**

WEIGHT BREAKS

There is no minimum weight.

CLASS & SAFETY REQUIREMENTS

It is the participant's responsibility to familiarize oneself with the class requirements as found in the 2011 NHRA rulebook. The participant agrees that the participant bears the ultimate responsibility at all times to ensure the safety of participant's vehicle and to ensure that participant complies with all applicable NHRA & MMXC rules.

The participant agrees that participant is in the best position to know about the construction and operation of participant's vehicle, equipment, and clothing, and whether there has been compliance with all applicable NHRA & MMXC rules.