



**Midwest Motorsports Association**

**Rules and Regulations  
2019**

*Check our website for updates and changes to the schedule throughout the season...*

**<http://www.mw-motorsports.com>**

## **Use of Rules**

- Written permission must be obtained from MMA before any individual or organization can specify or use these rules for any event or activity not sanctioned by MMA.

## **MMA Sanctioning Guidelines**

### **Promoter will Provide**

- Mud race track of proper construction. 150' recommended length and 35' minimum width, with 40' recommended. Side markers should be placed every 10'. Dual tracks required for Pro, Modified, & Open classes to be considered for points. Contact MMA for track guidelines.
- Shut down area a minimum of 350' with no obstructions.
- Pit and tech areas.
- Spectator barriers to be at least 50' from edge of track. No spectators allowed beyond finish line regardless of setback distance.
- Night races must have fully illuminated pits, track, and shut down areas.
- Proof of insurance needed at least 15 days prior to the event.
- Ambulance or proper emergency equipment and personnel.
- Fire extinguishers for track.
- Pressurized wash off area absolutely mandatory and should remain open at least 1 hour after race ends. No garden hoses.
- Pull out vehicles and equipment.
- Tower and adequate lighting.
- Driver registration personnel.
- All track personnel to operate race. \$50 per person charge for MMA personnel to fill in if needed.
- Security personnel.
- Appropriate equipment available to clean start line and groom track between classes as needed.
- Handicap parking and viewing areas to be set aside.
- Lane side markers to be lathe pounded firmly into the ground with ribbon or paint markings on top.

### **To the Promoter**

- All races will have a \$750.00 sanctioning fee. Includes the following:

\$250 to announcer	\$75 to tech inspectors
\$225 to starting lights	\$150 to MMA account
\$50 to scoring & registration	
- Split shows will be charged extra for set up, etc.
- Promoter to pay \$250.00 to have the race on the calendar. The rest to be paid day of race.
- It is recommended that child admission be at a discounted price.

## MEMBERSHIP

1. Membership fee is \$25 per person per year to be paid at registration or in advance.  
A) Must be an MMA member in order to race for points in any class.  
B) Must be an MMA member to race in Pro, Modified, and Open.
2. For Pro, Mod, and Open: points will be awarded to driver by vehicle.  
Example: John Smith – Mud Duck and John Smith – Dirt Doctor.
3. Every member from 10<sup>th</sup> to last place will receive 1 point for showing up and paying entry fees. Members registered in each class will receive points for place only.

### MMA Points Awarded for all Members

Each race:

<u>Place</u>	<u>Points</u>	<u>Place</u>	<u>Point</u>
1 <sup>st</sup>	10	6 <sup>th</sup>	5
2 <sup>nd</sup>	9	7 <sup>th</sup>	4
3 <sup>rd</sup>	8	8 <sup>th</sup>	3
4 <sup>th</sup>	7	9 <sup>th</sup>	2
5 <sup>th</sup>	6	10 <sup>th</sup>	1

- Time ties in Open class will use the second time to break the tie and assign placing and points for the day. Ties may still exist in other classes.
- Depending on the number of races for the year, the top 80% of a drivers' finishes will be used for calculating the points championships. In the event of a first place tie, we will look at the number of first place finishes from the season to determine first and second place. If a tie still exists, we will then look at the number of second place finishes from the season to determine first and second place. We will continue this until only one racer is in first place. **This rule to eliminate end-of-year ties will apply to all places in the class.**

## Race Day Rules

- **Any behavior detrimental to MMA will result in expulsion.**
- Street, Open Street, and Super: One entry per driver per class.
- **Pro, Mod, and Open: Maximum of 2 entries per class per driver - no vehicle allowed more than two passes per class. (Open – no vehicle allowed more than four passes per class).**
- **Vehicle may only be raced twice in each class, provided there are two different drivers. Except for Open class as it is allowed two runs per entry. Each driver running in Open class will be charged entry fees and will also receive their own points. Vehicle may only receive one payback per class.**
- Each driver must draw his/her own number. Dual runs that draw back-to-back numbers will not be allowed to redraw.
- A wild card chip will be added for all classes when drivers pull race order numbers. This will allow the driver who picks the chip to choose running position. Running position must be determined before the driver's meeting. The wild card chip will not be available after the driver's meeting. Drivers with a broken down vehicle that are taking their pass out of running order will have to go before the wild card driver if there is one and the wild card driver chose to run in the 'last' position.
- Driver must run the vehicle that he/she registered to race for that class that day once class has started.
- Driver must run in position drawn.
- Movement past start line will be considered a run. There is a one time 25-foot allowance for vehicle breakdown marked by a cone. No packing the track.
- Drivers must register and have vehicle teched prior to the running of the first racer in that class.
- **A one time/one race grace period will be allowed to comply with vehicle rules except for safety violations.**
- A vehicle that has rolled over earlier in the day needs to have a complete tech inspection prior to racing again.
- The mandatory Driver's Meeting is always held 15 minutes prior to the scheduled race time.
- All drivers must attend driver's meeting— if a driver is not at the meeting, he/she will not race.
- Racer has five minutes to get vehicle to start line after name is announced.
- Vehicles that **break and/or knock over** any of the stakes between the start line and finish line **by hitting them** will be disqualified.
- All vehicles must self-stage. Staging must be done under the vehicle's own engine power. Driver must bring vehicle to start line. No pit people are allowed at the start line.
- A competitor may not proceed with his/her run until they have been given a green light or green flag.
- All oil and fuel related products must be disposed of properly.
- No unrestrained pets allowed in pit area.
- No alcoholic beverages allowed in pit areas. Zero tolerance to drivers drinking before racing.
- MMA and the Rules Committee reserves the right to refuse to allow anyone to race who we feel is unsafe.
- **A \$50 fee will be assessed to any driver who hits the timing lights. This fee shall be paid before the driver is allowed to participate in another MMA event.**
- **Protest fees:** There will be a \$50 non-refundable protest fee. This fee will go into the MMA account. An additional refundable \$25 fee will be assessed for an external protest and an additional refundable **\$250** fee will be assessed for an internal protest. The refundable portion of the protest fees will go to the person who the Rules Committee decides in favor of. All rules are subject to tech interpretation. The protest must be submitted in writing and signed within 15 minutes of the completion of that class. A

protest must come from a person racing in that class that day. The Rules Committee has the authority to accept or reject any protest request. A protest will not be accepted if the protestor is under any influence of alcohol. Members of the Rules Committee do not vote on a protest on their own vehicle or a vehicle in their own class if in competition that day. Protests can include fuel and vacuum. Random internal inspections found to be legal will receive **\$250**.

- If a vehicle is protested and it is found to be illegal, all drivers racing that vehicle that day will lose points for the season and a \$500 fine will be imposed. Neither the vehicle nor the driver(s) can race until this fine is paid. The fine will go into the MMA account. Any points and money earned for that race will not be dispersed to the individual found illegal. The vehicle will need to be legal and re-inspected at or before their next competition.
- After a vehicle has made a pass, if a tech inspector finds a problem/illegal vehicle during a random test, the points for that day are lost for all drivers racing that vehicle that day and a \$500 fine will be imposed. Neither the vehicle nor the driver(s) can race until the fine is paid. The fine will go into the MMA account. Any points and money earned for that race will not be dispersed. The vehicle will need to be legal and re-inspected at or before their next competition.
- Fines will be imposed at the discretion of the Rules Committee.
- Situations may arise that are not covered in these policies, rules, and regulations. In all cases, if limitations aren't spelled out, it does not mean you can make unlisted modifications. The Rules Committee will make a ruling consistent with rulings in situations of the same nature. **ALL INTERPRETATIONS OF THESE RULES WILL BE MADE BY THE RULES COMMITTEE AND THESE JUDGMENTS ARE FINAL.**

## 2019 MMA General Rules

Before participating in an MMA sanctioned event, it is your responsibility to review and familiarize yourself with the MMA General Rules and Safety procedures along with the class rules. Prior to competition, all cars and drivers must pass a technical and safety inspection. All vehicles must have required safety equipment present when vehicle is teched prior to race.

If there are sections in this rule book that need clarification, please contact an MMA Rules Committee Member. The telephone number for the Rules Committee Spokesperson is located in the back of this rule book.

### ASSUMPTION OF RISK

Mud racing is a dangerous sport for participants, for the purpose of this rule book, participants will be defined as any person directly, or indirectly, associated with any vehicle, that has been permitted to enter the event site for the purpose of competition, racing, etc. including, but not limited to the owner, driver, crew, sponsors, family and/or any other people involved with said vehicle. In addition, any person or persons engaged in selling or displaying products will be defined as participant as well.

Participants may suffer bodily injury, death, loss, or damage to property during an MMA sanctioned event. Participants who enter an MMA sanctioned event are acknowledging that the event site is suitable for racing and they understand and assume the risks that relate to mud racing events.

Participants must acknowledge that by participating in the events that they may suffer injury, death, loss, or damage to personal property. The participant voluntarily assumes the risk of such losses and agrees to indemnify the Midwest Motorsports Association, MMA officials, MMA staff, event sponsors, the track, the race officials, and other participants and / or officials for such losses and agrees to not sue such persons for such losses.

All participants are required as a condition of entering the track; to sign all required forms, including such releases as determined by the MMA as well as the host tracks requirements.

The MMA makes no representation, or express or implied warranties, that the compliance with the rules and regulations posted in this rules book or the safety requirements published by the host track or sanctioning body will guarantee against injury or death to spectators or participants or damage to personal property. The rules and conduct guidelines set within this rulebook, and the safety rules set forth by the tracks sanctioning body are intended solely as the minimum acceptable standards. Safety is the responsibility of the participants of the event.

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### GENERAL AND SAFETY RULES

- 1) All competitors shall be at least 16 years of age with a valid driver's license to participate. Competitors under 18 years of age must provide written parental consent.
- 2) No alcohol or drugs permitted. This policy will be strictly enforced and presence of alcohol or drugs will automatically disqualify the driver and vehicle from competition.
- 3) No riders permitted in vehicle.
- 4) All participants and crew members shall present themselves in a neat and professional manner (shirts and pants mandatory) at all times during the event (Driving suit, overalls or matching crew uniforms (Shirts or shirts and pants) recommended.
- 5) The appearance of your vehicle should be presented in a clean and professional manner. Offensive Graphics, pictures, lettering are not acceptable.
- 6) In the event of disqualification of vehicle, no refunds will be allowed.
- 7) It is mandatory that a licensed driver be seated in the normal driving position any time the engine is running, including pit area, staging lanes, turn around and return roads. Failure to follow this procedure will result in disqualification.
- 8) No high-speed driving or "hot-rodding" will be tolerated anywhere except on the race track. NO WARNING WILL BE GIVEN. These actions are grounds for immediate disqualification.
- 9) The Mud Racers Association Tech Official will have final approval of a race vehicles legality and safety for any and all classes. The tech official will have the right to call for a re-tech And/Or disqualify any vehicle that they feel does not meet the safety requirement. (Refusal to comply with a re-tech - will be automatic disqualification).

## CLARIFICATION OF CLASSES

**For the purpose of safety rules: the following classes will be referred to as "Pro classes": Super, Pro, Modified, and Open.**

### DRIVER SAFETY

- 1) All classes require each driver to wear a safety approved Snell Rated Helmet. As of this writing it is highly recommended no helmet be over 10 years old for Pro classes, per the Snell sticker. It is the driver's responsibility to show the manufacture date is within 10 years, otherwise the Snell sticker will be used to establish the date. Currently Snell SA201 is the oldest allowable helmet.
- 2) To maintain safety and professionalism a SFI 3.2A-1 fire suit is highly recommended.
- 3) Neck collar, gloves and shoes are mandatory in all pro classes.
  - A) 2019 and Beyond—Head and Neck Restraints will be highly recommended in all Pro Classes
- 4) Fire suits are mandatory in all pro classes
  - A) 2019 And Beyond—Super Stock and Renegade 3.2/5 Rated Fire suit Minimum will be highly recommended.
  - B) Pro Stock 3.2/5 Rated Fire suit Minimum will be highly recommended.
  - C) Pro Stock, Modified, and Open 3.2/5 Rated Fire suit With A Full Set of Nomex Underwear or a 3.2/15 Rated Fire suit will be highly recommended.

NOTE: All Nitrous and alcohol classes require the addition of a SFI 3.2A-5 fire suit OR a SFI3.2A-1 fire suit with the use of Nomex underwear. (Including gloves, shoes, neck collar and head sock).

Note: This will be the minimums and implies no guarantee to 100% safety. Drivers should take their safety and the gear associated with it very seriously. Drivers should ensure it is serviceable and fits properly. It is the driver's responsibility to take a look at all the options available to them.

\*\*\*\*If a driver chooses to drive in multiple classes, your safety gear must meet each class' highly recommended fire suit minimum. \*\*\*\*

- 5) All race vehicles, should have attached to their support vehicle, in plain view, a fully charged, 2 1/2 lb. (minimum) dry chemical or CO-2 fire extinguisher with a dial gauge, approved by ICC, UL or Coast Guard, and equipped with a suitable quick-release bracket. Extinguisher must be securely mounted.

2020 and Beyond--It is highly recommended that all vehicles in the Pro classes running alcohol and/or nitrous should have an onboard fire system (Hy-lon or cold fire) installed per manufacture reconditions. Activation must be accessible by the driver while secured in the driver's seat with a 5-point harness.

It is highly recommended that all rear engine vehicles in the Pro classes have some type of radio communication between the driver and support and/or crew member.
- 6) In the Sportsman classes, stock factory seat belt / shoulder belts allowed. Vehicles equipped with a racing seat (or seats) shall incorporate the use of a minimum of a 4 point harness for the driver).
- 7) A 5-point safety harness is required for the driver in all pro classes. No harnesses can be older than 5 years old according to the SFI tag.
- 8) Arm restraints or a window net is required for all drivers/vehicles that do not have glass/Lexan present in the driver's door. Arm restraints are required for drivers in all vehicles that do not have a door and/or top on the vehicle.
- 9) 2019 and Beyond—Blower Bags will be required on all Open Class cars running Super Charges.
- 10) Eye Protection:
  - \* Eye protection (face shields, goggles, safety glasses) is mandatory in all vehicles without windshields.
  - \* No sunglasses.

### GENERAL VEHICLE REQUIREMENTS

- 1). All vehicles must have rigid front and rear hitching point.
  - (a) Tow hook retaining clips required.
  - (b) Hitching point must be easily accessible and of substantial construction. No chains, straps, cables, or frame rail holes permitted.
  - (c) If you are using your stock or add-on bumper, the mounting brackets must be at least 1/4" thick.
  - (d) A rear axle hitching point is acceptable on vehicles with 3 or 4-link suspension, subject to Tech approval.
  - (e) A pintle hook (rather than a clevis) will pass as long as the top jaw locks and releases.

## GENERAL BODY & CHASSIS RECOMMENDATIONS:

**Chassis materials should meet or exceed MMA's minimum recommendations. These are minimum recommendations and do not imply nor guarantee a drivers or vehicles safety.**

- 1) No body lifts over 4 inches.
- 2) Driver's head must not protrude above the roll bar/cage with helmet on and driver strapped in the vehicle.
- 3) All roll bars/cages must have at least one diagonal cross brace with one end within 6" of the top of the main hoop, of the same material as the main hoop.
- 4) Roll bars/cages must be mounted on either the frame or body. If mounting to body, roll bars must have mounting plates made of steel with a minimum thickness of 1/8". Those plates must have plates of same construction on the underside of the body in the same location that extend to the frame.
- 5) No washers accepted as backing plates.
- 6) All fiberglass or aluminum bodied vehicles must have a frame mounted roll bar/cage.
- 7) Where bolts are used for mounting roll bars/cages, they must be at least 3/8" diameter and have a minimum rating of SAE Grade 5. Each mounting plate must have at least 3 bolts.
- 8) Low carbon (mild) steel tubing or chromoly is required. Other materials are subject to prior approval. No square tubing is permitted. No iron pipe of any kind is permitted. All workmanship will be evaluated by the Rules Committee. No brazing or soldering allowed.

### Roll Bars:

- 1) All vehicles with a soft or removable top must be equipped with a roll bar and two (2) support bars (a full 4-point cage is required).
- 2) Roll bars or Roll Cages should be securely fastened to the vehicles frame/chassis. a) Roll Bars should be a minimum of 1 5/8" x .134 wall mild steel tubing or equivalent.
- 3) Manufactured or purchased "show" or "dress" bars mounted in the cab or bed are unacceptable.
- 4) Roll bars must consist of at least one continuous hoop with no welded corners.

### Roll cages:

- 1) All roll cages for vehicles in pro classes should be substantially constructed and designed, a minimum of 1 1/2" x .090. However these are minimum standards and do not imply nor guarantee a driver's or vehicle's safety.
- 2) All weld joints should conform to approved welding procedures and standards set forth by the ASME (American Society of Mechanical Engineers)
- 3) Firewall and floorboard must be of adequate construction to protect driver from engine and driveline components. (0.030 steel or 0.060 aluminum recommended)
- 4) Roll cages must consist of a configuration of front and rear hoops with no welded corners, connected by tubing on the sides or side hoops. All main supports must be within 6" of the top bends.



## GENERAL DRIVE TRAIN REQUIREMENTS

- 1) All pro class vehicles are required to have driveshaft loops and U-joint guards.
  - (a) Driveshaft loops must be of substantial rigid construction (3/16" steel or 1/4" aluminum recommended). All mounting bolts must be a minimum of 5/16" diameter.
  - (b) Each driveshaft must have a minimum of 2 loops. If a vehicle has a shaft no longer than 24", 1 loop, properly centered, will suffice.
  - (c) Loop location is to be no less than 6" and no more than 12" from the end of the shaft (u-joint) and 1" past slider on end with slip joint or 3 loops must be evenly spaced so that if the slip joint breaks, shaft will not drop.
  - (d) In addition to the above - All pro-class vehicles are required to have u-joint guards or shielding around all exposed u-joints. . Guards will be 360 degree, 3" wide. Guards will be made of 1/4" aluminum or 1/8" steel, secured with minimum 5/16" hardware.
- 2) For pro classes and all vehicles with a transmission brake installed, transmissions must be properly shielded or SFI approved case. (NOTE: Non Planetary - gear driven units do not require shielding or blankets (I.e. SCS or Pro-fab units etc.).)
  - (a) All vehicles are required to have a SFI approved Flex plate or Fly wheel.
  - (b) Mechanical clutch equipped vehicles must have SFI approved bell housing with block saver plate. Must be installed with approved manufacturer's hardware.
  - (c) All automatic transmission equipped vehicles are required to have a SFI approved transmission safety blanket, SFI approved transmission shield (It is also recommended that all pro classes install a SFI approved flex plate shield or bell housing). Or SFI Approved transmission case.
- 3) The running gear of each vehicle will be inspected to verify the safety of such critical parts as steering, brakes, welds, tires, and body and body mount.
- 4) All open chain driven transfer set ups must have a shield or guard of 1/8" steel (minimum thickness) or 3/16" aluminum covering the top and ends of the unit. All shielding must be securely mounted to the engine or frame structure to contain chain in the event of breakage. (Stock Frame can pass as end cover subject per tech approval) (Also see class rules).
- 5) All weight added to race vehicles must be securely attached per tech approval. Added weight must be brought to the attention of the Tech Inspector.
- 6) Neutral/Park/Clutch Pedal Safety Switch:
  - \* All vehicles must have a working neutral/park/clutch pedal safety switch. Vehicle must NOT be able to be started in any forward or reverse gear.

## GENERAL ENGINE REQUIREMENTS

- 1) AH supercharged vehicles are required to use aluminum blower studs, belt shield and SFI approved blower restraints. (Blower and hat blanket and fuel line shield highly recommended)
- 2) All classes require a minimum of two (2) return springs per throttle body or carburetor.
- 3) Vehicles with (mechanical) aftermarket alcohol fuel injection systems must have a fuel shut off valve.
  - (a) The fuel shut off valve shall be securely fastened within the drivers reach while they are fastened in the driver's seat with a 5-point harness. (NOTE: A separate shut off is not required for stock OEM fuel injection systems in Street and Open Street classes).
- 4) All Pro classes require a SFI approved steel harmonic balancer
- 5) The use of a SFI approved balancer is highly recommended on all modified engines in the sportsmen classes. (NOTE: Stock harmonic balancer allowed as long as the pulley diameter exceeds balancer diameter).
- 6) Any engine moved from OEM frame mountings must be mounted properly by substantial construction and be deemed safe by tech team.
- 7) All components in engine compartment must be properly secured.
- 8) Exhaust: Exhaust systems in all classes must be routed as to exit either up, down, forward, or straight back. At no time should it exit to the side as to endanger officials or spectators. (See individual classes for routing allowances.)

## GENERAL COOLING SYSTEM REQUIREMENTS

- 1) At no time shall coolant lines or related hardware run through the driver's compartment.
- 2) At no time shall engine or transmission cooling devices or lines of any type be allowed inside the driver's compartment of the vehicle.
- 3) Radiators that have been relocated must be securely mounted to the bed or frame of the vehicle.
- 4) All coolant lines must be in good condition.

## GENERAL IGNITION REQUIREMENTS

- 1) Every vehicle must have an ignition kill switch.
  - (a) The ignition kill switch must be within driver's reach while the driver is fastened securely in harness. (A stock ignition switch is adequate for Street and Open Street classes).
  - (b) The kill switch must be clearly labeled "KILL SWITCH" or "ON" and "OFF".
  - (c) Kill switch must shut power off to all electrical power (i.e.) pumps, nitrous and ignition systems etc.
  - (d) Pro Class vehicles must have a master kill switch mounted at rear as close to centered as possible (accessible when vehicle is on side or upside down). This switch must disconnect all battery power and shut off engine. Switch must be clearly labeled. (A second master switch within the drivers reach is highly recommended).
  - (e) Magneto powered vehicles will need a relay to comply (these can be supplied through many high performance parts outlets).
- 2) Electronic control system for clutch management or traction control devices (As per class rules).
- 3) The use of electronic, digital or programmable ignition boxes for ignition and nitrous control in the Pro-classes is permitted.
- 4) Data logging equipment is allowed in all pro classes.
- 5) With the exception of the "Modified" and "Open" classes which may use a separate (detached) battery pack and /or a funny car style starter. All other vehicles must have adequate battery power and starter on board to start the vehicle while the driver is securely fasten in the drivers' seat.
- 6) Vehicle batteries shall be securely fasten to the vehicle with proper hold downs to prevent it from coming loose in the event of an accident (No ratchet straps, bungee cords, etc.) allowed. Batteries shall not be mounted in the driver's compartment. (An approved battery box or enclosure is highly recommended)

**\*\*\*NO VEHICLE SHALL BE STARTED OR LEFT RUNNING WITHOUT A LICENSED OPERATOR IN THE DRIVER'S SEAT\*\*\***

## GENERAL FUEL SYSTEM REQUIREMENTS

- 1) Pro classes - Fuel cells allowed as per class rules
- 2) Street class - gas tanks should be in stock location or as per class rules. Fuel cells permitted as per class rules.
- 3) Fuel tanks/cells and fuel lines shall be isolated from driver's compartment by subfloor.
- 4) Tanks must have adequate latching gas caps.
- 5) Tanks must have sufficient capacity to make full runs.
- 6) Engine MUST be turned OFF during refueling.
- 7) NO pressurized fuel systems allowed. All fuel systems shall be operated by mechanical or electrical means only.
- 8) All fuel line must be in good condition.
- 9) Fuel cells that have been relocated must be securely mounted to the bed or frame of the vehicle.
  - (a) Fuel tanks (or Fuel cells) must be securely fastened with a minimum of 2 metal straps, (1" minimum width) secured with the proper hardware 3/8" minimum).

### **GENERAL NITROUS REQUIREMENTS**

- 1) Nitrous Systems must be commercially available and installed per manufacturer's recommendations.
- 2) Nitrous line quarter turn ball valve.
  - a) It is required that a 1/4 turn ball valve be installed, inline and within driver's reach while they are secured in the driver's seat.
  - b) The 1/4 turn ball valve shall be capable of shutting off all nitrous supply from bottle(s) to solenoid(s).
  - c) If two N<sub>2</sub>O bottles are used, both must have ball valves and must be on 1 cable to shut off flow.
- 3) The electrical power source for fuel pumps and nitrous switches must pass through the master kill switch. (It is highly recommended that a second kill switch be located within the driver's reach while secured in the driver's seat).
- 4) The Nitrous activation switch shall be loaded button (momentary switch).
- 5) Nitrous filter is highly recommended.
- 6) Heating of nitrous bottles by any open flame (Torch) is NOT permitted.
- 7) The use of any agents other than nitrous oxide as part of, or mixed with, is prohibited.

### **GENERAL BRAKE REQUIREMENTS**

- 1) All vehicles must have working and adequate brake systems. (Dual reservoir, dual master cylinders required).
- 2) Four (4) independent wheel brakes required for all classes.
- 3) All Brake rotors will be inspected for heat cracks, NOTE: Rotors found with heat cracks will not pass tech inspection.
- 4) Braking systems will be inspected and tested during tech inspection.
- 5) Steel brake lines recommended. (Flexible steel braided brake lines allowed as long as they are securely fastened)
- 6) Stock rubber flex lines to calipers are acceptable. (Steel braided flex lines recommended in all Pro classes).

### **GENERAL TIRE REQUIREMENTS**

- 1) D.O. T. tires must have raised D.O. T. stamping on the sidewall.
- 2) Tires will be sized by manufactures' raised lettering on the sidewall.
- 3) No recapped tires will be allowed.
- 4) All lug nuts shall be in place
- 5) Tires allowed - as per Class rules

## MMA Classes

*The MMA has adopted class rules for some of the classes from the Mud Racers Association Inc. However, MMA rules may vary.*

### GLOSSORY OF TERMS:

The word **MAY**: is used for the purpose of saying the user may or may not do as the rule reads, (i.e.) the battery May be relocated.

The word **SHOULD**: is used for the purpose of saying the user should do as the rule says in order to comply, (i.e.) Exterior body panels should retain a stock appearance. Meaning it does not need to be an exact duplicate of the original body in order to comply.

The word **SHALL**: Means it shall be as stated (i.e.) Driver shall sit in stock location. (Center seat positions NOT permitted). Meaning no options.

**OEM**: Original Equipment Manufacture Specifications.

**OEM type or style**: Means similar designs to Original Equipment Manufacture specifications – But may be produced by any aftermarket manufacture.

**NOTES**: 1). Four (4) wheel drive mandatory on All vehicles in All classes.

### **STREET:**

*This is an all motor, vacuum limiting class, it is intended for mostly stock four wheel drive trucks and Jeeps that are primarily street driven, have minimal modifications and are street legal. Engine swaps allowed as per class rules, frame must be correct for body.*

Vehicles must meet all safety requirements for this class. (See General Rules,)

### **BODY: (Street)**

- 1) Any model jeep or truck, stock steel body (minimal trimming allowed for tire clearance only)
- 2) Wheel base must be stock for frame and body
- 3) Firewall cannot be cut, relocated or reshaped
- 4) Must retain factory floor pan
- 5) Flatbeds - Minimum dimensions: must be the same width as the cab and extend to the rear most part of the frame and Substantial enough to carry cargo.
- 6) Must retain all stock glass
- 7) Headlights and taillights required and must be functional
- 8) Front bumper required
- 9) Factory interior shall not be removed

### **CHASSIS: (Street)**

- 1) Unmodified OEM factory frame bumper to bumper.
- 2) Minimum 4 point roll cage required for open top vehicles. See General Rules.
- 3) Stock suspensions. (Aftermarket tin kits allowed).
- 4) No removal of leaf springs.
- 5) Stock OEM front and rear differentials, transmission and transfer case only (may be upgraded with stronger OEM parts.
- 6) Transmission brakes (Trans brake NOT allowed).
- 7) Fuel tank, battery, and radiator must be in stock location.
- 8) 4 wheel brakes mandatory, OEM dual reservoir master cylinder required.
- 9) Unaltered DOT tires only.

**ENGINE: (Street)**

- 1). Motor must pull 17" of vacuum at 800 RPM's.
- 2). Big block engines in full size,  $\frac{3}{4}$ , or 1 ton trucks only.
- 3). No V8's in mini trucks or mini SUV's (Unless OEM)
- 4). Motor must be located in stock location.
- 5). No aluminum engine blocks or aluminum heads (Unless OEM equipped for vehicle)
- 6). Cast aluminum intake only. (No tunnel rams or sheet metal intakes)
- 7). Single gas carburetor only, limited to 4150/4160 series only (no Predators, No Dominators, No SV-1's).
- 8). Pump gas only (fe-85 allowed)
- 9). OEM fuel injection only
- 10). Headers are allowed, mufflers are required and exhaust must extend to behind the driver's seat.
- 11). No power adders. No Nitrous, No turbocharger(s), No superchargers. With the following exception:
  - 11a) Factory installed OEM turbochargers permitted on diesels only.

**END OF MMA - STREET CLASS**

## **OPEN STREET:**

***This is an all motor, vacuum limiting class. It is intended for four wheel drive trucks and Jeeps that have been slightly modified for competition but still utilize mostly stock components. They must be capable of being made street legal. Engine swaps allowed as per class rules, but frame must be correct for body.***

Vehicles must meet all safety requirements for this class. (See General Rules).

### **BODY: (Open Street)**

- 1) Any model jeep or truck, stock steel or OEM (street weight; equivalent fiberglass body parts. (Minimal cutting allowed only for tire clearance) No race bodies allowed.
- 2) Must retain Full steel cab or tub, doors and bed must be retained. (No removal of inner steel panels)
- 3) Firewall can be reshaped minimally, but not cut and relocated.
- 4) Wheel base cannot be altered, must match body.
- 5) Flatbeds - Minimum dimensions: must be the same width as the cab and extend to the rear most part of the frame and Substantial enough to carry cargo.
- 6) Shall retain all stock glass.
- 7) Headlights and taillights required and shall be functional.
- 8) Front bumper required
- 9) Factory interior shall not be removed.
- 10) Race seats allowed, shall have a minimum of two (2) must be securely mounted to the floor.

### **CHASSIS: (Open Street)**

- 1). Any unmodified OEM factory frame rails, bumper to bumper. Frame shall retain two (2) stock cross members with the following exceptions permitted:
  - 1a). Relocating of cross member(s) allowed, Modifications allowed.
- 2) Minimum 4 point roll cage required for open top vehicles. (See General Rules)
- 3) Rear suspension should be leaf-springs unless equipped otherwise from the factory.
- 4) Front suspension may be leaf-spring, coil & radius, or IPS. Other front suspension styles permitted if OEM for that vehicle. (Relocation of mounting points not permitted).
- 5) Leaf springs should have a minimum of two leafs per spring pack.
- 6) Ladder bars permitted (No 4-link, No 3-link, No floaters, No coil over shocks.
- 7) Any OEM front and rear axles. (Modifications allowed).
- 8) Any OEM transfer case allowed (No aftermarket cases, No chain drives).
- 9) Any OEM Transmission (modifications and trans brakes allowed). Should be shielded, stock steel floor acceptable. (See General Rules).
- 10) Radiator must be located in front of motor.
- 11) Fuel tank (fuel cell allowed; and battery may be relocated) See General Rules;
- 12) 4 wheel brakes mandatory, OEM dual reservoir or dual master cylinder required.
- 13) Unaltered DOT tires only.

### **ENGINE: (Open Street)**

- 1) Any OEM type automotive engine allowed.
- 2) Engine swaps allowed with the following exceptions:
  - 2a) Big block engines in full size trucks only
  - 2b) Small blocks in mini trucks and jeeps allowed.
- 3) Engine must pull 13" of vacuum at 800 RPM's
- 4) Engine should be located in approximate stock location. (Firewall will dictate engine location)
- 5) No aluminum blocks allowed, with the following exception:
  - 5a). If OEM factory installed for that vehicle.
- 6) No aluminum heads allowed with the following exceptions:

- 6a). If OEM factory installed for that vehicle.
- 7) Aftermarket intakes allowed. Cast aluminum only. (No tunnel rams. No sheet metal intakes)
- 8) Single gas carburetor only, limited to 4150/4160 series only.
- 9) Fuel limited to pump Gas, E-85 or diesel fuel only. No alcohol, No ethanol, No fuel additives or outlaw (oxygenated,) fuels (I.e. Super Blue, Q-16, etc;.
- 10). OEM fuel injection only.
- 11). No power adders: No Nitrous, No turbocharger(s), No superchargers. With the following exceptions:
  - 11a). Factory installed OEM turbochargers permitted on diesels only.
- 12). Competition exhaust allowed.

**END OF MMA - OPEN STREET CLASS**

## **SUPER:**

***This all motor class is intended for four wheel drive trucks and Jeeps that have been modified for competition but still utilize mostly stock OEM components. Although they are primarily competition vehicles and need not be street legal, they should appear stock. Engine swaps and body swaps are allowed as per class rules.***

Vehicles must meet all safety requirements for this class. (See general rules).

### **BODY: (Super)**

- 1). Any model jeep or truck, stock steel body or OEM (street weight) equivalent fiberglass body parts required (No Race Bodies, fiberglass replacement parts should closely match the OEM specifications).
- 2). Body should match wheelbase. (No altered wheel base vehicles allowed).
- 3). Shall retain Full cab or tub. Doors and bed shall be retained. (No removal of inner steel structures; With the following exceptions allowed:
  - 3a) Tailgate may be removed. Front fender wells may be removed.
  - 3b) Removal of inner steel structures is allowed on Front fenders and hood only.
  - 3c) One piece Fiberglass front clip allowed (should closely match the OEM specifications;
  - 3d) Fender cutting / trimming permitted for tire and header clearance.
  - 3e) Firewall may be modified for engine clearance only (but not replaced or relocated). Engine should remain in stock OEM location.
- 4). Shall retain factory floor pan. Floor pan or tub shall Not be removed, replaced or relocated. (Floor may be modified for drive train clearance).
- 5). Flatbeds - Minimum dimensions: Should be the same width as the cab and extend to the rear most part of the frame and Substantial enough to carry cargo.
- 6). Windshield and side glass required (Lexan or equivalent acceptable). Rear window may be removed for roll cage/bar clearance.
- 7). Headlights and taillights not required.
- 8). Bumpers not required.
- 9). Mirrors not required.
- 10). Removal of OEM interior trim pieces allowed (i.e.) seat, headlines door panels, carpet, dash and other trim pieces may be removed. (No removal of inner steel structures /panels allowed).
- 11). Race seat(s) allowed, with the addition of a SFI approved 4 point safety harness. (5 point harness is recommended).
- 12). Driver shall sit in stock location. (Center seat positions NOT permitted).

### **CHASSIS: (Super)**

- 1). Any unmodified OEM factory frame or frame rails bumper to bumper. Shall retain two (2) stock cross members, (Relocating of cross member(s) allowed, Modifications allowed). Unused brackets and cross members may be removed at the discretion of the builder.
- 2). A 6 point roll cage is required. See general rules.
- 3). Rear suspension must be leaf-spring unless equipped otherwise from the factory.
- 4). Ladder bars allowed. (No 3-link, No 4-link suspensions).
- 5). Front suspension may be OEM leaf-spring, coil & radius, or IFS. (Other front suspension styles permitted if OEM for that vehicle).
- 6). NO Coil over shocks OR Coil over suspensions.
- 7). Leaf-spring vehicles shall have at least one functional leaf spring per spring pack. Floaters/Sliders are permitted.
- 8). Any OEM front and rear differential (axles) allowed. (Modifications allowed).
- 9). Any OEM transfer case allowed. (Modifications allowed).
- 10). Any OEM Transmission (modifications and transmission brakes allowed). Should be shielded, Stock steel floor acceptable (see general rules).
- 11). Fuel cell, battery, and radiator may be relocated. (See general rules for mounting specifications).
- 12). Brakes are required on both front and rear axles, dual master cylinder or OEM style dual reservoir master cylinder required. NOTE: 4 wheel brakes mandatory. (See General Rules)
- 13). Unaltered DOT tires only.



**ENGINE: (Super)**

- 1). Any factory OEM type automotive engine. No aluminum blocks allowed, with the following exception:
  - 1a). OEM factory installed aluminum engines.
- 2). Engine must be located in approximate stock location based on firewall location.
- 3). Conventional OEM style aftermarket aluminum heads allowed (modifications allowed).
- 4). NO aftermarket Pro-Stock style heads permitted. (No Chevy Big Block spread port style heads. No Ford C-heads or Thor heads permitted). The following exceptions will be allowed:
  - 4a) Ford A-460 type heads are allowed.
  - 4b) Any aftermarket OEM type small block aluminum head allowed.
- 5). Cast aluminum intake only (No tunnel rams or sheet metal intakes)
- 6). Single gas carburetor only (No stretched or split Dominator carburetors). Single Predator or SV-1 carburetor allowed.
- 7). OEM fuel injection only.
- 8). Vacuum pumps and dry sumps allowed.
- 9). Fuel limited to race Gas or any pump gas (E-85 allowed) or diesel fuel only. No Alcohol, No ethanol. No fuel additives.
- 10). No power adders. No Nitrous, No turbocharger(s), No superchargers. With the following exceptions:
  - 10a). Factory installed OEM turbochargers permitted on diesels only.
- 11). Competition exhaust allowed.

**END OF MMA - SUPER CLASS**

**PRO:** (A Fire Suit is Mandatory in this Class)

***Although naturally aspirated combinations are allowed - This is primarily a nitrous class intended for highly modified four wheel drive trucks and Jeeps. Competition chassis, race bodies, and pro stock style engines. Vehicles must meet all safety requirements for this class. (See general rules).***

#### **BODY: (Pro)**

- 1) Any model jeep or truck body allowed - should be recognizable.
  - a) Fenders, doors and roof must be retained if originally OEM equipped.
  - b) No narrowing of the body from the back of cab or tub (Driver Compartment) forward.
- 2) Narrowing or bobbing of rear quarter panels allowed for tire clearance using the following guidelines.
  - a) If narrowed, (panels between the tires) panels must extend to the end of the frame.
  - b) If bobbed, rear quarter panels must extend a minimum of 12" behind the cab.
- 3) Hood and grill should be present.
- 4) Maximum distance from the center of the front axle to the bottom of the driver's seat back shall not exceed 84 inches. Center seat allowed.
- 5) A firewall and floor pan should be present protecting driver from engine and driveline components. Minimum 0.030 Steel or 0.060 aluminum recommended.
- 6) The firewall shall extend from door to door and from the floor pan to the base of the windshield.
- 7) The floor pan shall extend from door to door and front of the cab or tub to rear of the cab or tub (drivers' compartment). NOTE: The floor pan and firewall shall be securely attached to each other and to the frame work of the chassis.
- 8) Windshield, rear and side window glass and related hardware - Not required.
- 9) Race seats permitted.

#### **CHASSIS: (Pro)**

*Chassis material shall meet MMA's minimum requirements. (See General Rules). However, these are minimum standards and do not imply nor guarantee a driver or vehicles safety.*

- 1) The main frame rails of the chassis shall be constructed of a minimum of 0.080" square and / or rectangular steel tubing. Minimum dimensions of 2" X 3" or any factory frame or frame rails.

Additional frame guidelines:

  - 1a) Minimum length of frame rails shall be from centerline of front axle to centerline of rear axle.
  - 1b) Round tube can be used for additional bracing.
  - 1c) Back half chassis allowed.
- 2) Minimum 8-point roll cage. (See General Rules).
- 3) Any type suspension allowed.
- 4) Any type OEM or aftermarket chain or gear drive transfer set ups allowed.
- 5) Any type Transmission allowed, modifications allowed (automatics must be shielded or SFI case)
- 6) Any OEM style front and rear differentials allowed. Modifications allowed.
- 7) 4-wheel brakes mandatory, duel master cylinder or OEM style dual reservoir master cylinder required
- 8) Maximum 46.5" DOT tires with alterations (Cuts) allowed
- 9) Maximum wheelbase 130"

#### **ENGINE: (Pro)**

- 1) Any OEM type automotive engine
  - a) 5" Bore Space
  - b) Cast Motor—12.3" Maximum Deck Height
  - c) Aluminum Motor—12.0" Maximum Deck Height
  - d) Must Be Water Jacketed
- 2) Engine placement - engine shall be relocated a maximum of 12 inches back from the centerline of the front axle tube to the #1 sparkplug.
- 3) Any automotive type of cylinder head allowed.
- 4) OEM fuel injection only. No aftermarket injection systems.
- 5) Any automotive type carbureted intake manifold allowed (sheet metal intakes allowed).

- 6) Dual carburetors allowed gas or alcohol. (Split and stretched Dominators allowed, dual Predator or SV-1 style allowed)
- 7) Vacuum pumps and dry sumps allowed
- 8) Any racing gas, alcohol/methanol or oxygenated fuels allowed. (No Nitro methane). (Specific Gravity Tolerances Shall Not Exceed .817 @ 60 degrees)
- 9) Nitrous allowed.
- 10) No turbochargers, No superchargers.
- 11). Competition exhaust allowed.

**END OF MMA – PRO**

**MODIFIED:** (A Fire Suit is Mandatory in this Class)

**1. Tires:**

- Any D.O.T. tire. Cutting and grooving allowed on rear tires.
- Any front tire allowed.
- Wheelie bars allowed.

**2. Engine:**

- Any single internal combustion engine.
- SFI harmonic balancer required, or 360-degree coverage.
- No forced induction.
- Must have 2 external return springs on the carb.
- Batteries in all vehicles must be securely mounted.

**3. Body:**

- Must be a recognizable body resembling either production, recreational, or competition vehicles.
- **Minimum 8-point roll cage mandatory in all vehicles. (See General Rules).**

**4. Frame and Suspension:**

- Any style frame.
- Any suspension allowed.
- Engine setbacks allowed.
- Main frame rails must be minimum of 1½”.
- 150” maximum wheelbase.

**5. Fuel:**

- Gasoline, diesel, or alcohol.
- No fuel performance-altering additives allowed.
- Upper cylinder lubricants are allowed.
- Nitrous Oxide allowed.

**6. Neutral/Park/Clutch Pedal Safety Switch:**

- All vehicles must have a working neutral/park/clutch pedal safety switch. Vehicle must NOT be able to be started in any forward or reverse gear.
- Driver or pit crew member must be seated in the driver's position any time the vehicle's engine is running or anytime attempting to start the engine.
- Staging assistance allowed.

**OPEN:** (A Fire Suit is Mandatory in this Class)

**1. Tires:**

- Any 4 rubber tires.
- Wheelie bars allowed.

**2. Engine:**

- Any single internal combustion engine.
- SFI harmonic balancer required, or 360 degree coverage
- 360-degree shield for blower belts recommended.
- Must have 2 external return springs on the carb.
- Batteries in all vehicles must be securely mounted.

**3. Body:**

- Must be a recognizable body resembling either production, recreational, or competition vehicles.
- **Minimum 8-point roll cage mandatory in all vehicles. (See General Rules).**

**4. Fuel:**

- Gasoline or alcohol only.
- Nitrous oxide allowed.
- No performance-altering additives allowed.
- Upper cylinder lubricants are allowed.

**5. Frame and Suspension:**

- Any style frame.
- Any suspension allowed.
- Engine setbacks allowed.
- Main frame rails must be minimum of 1½".
- 150" maximum wheelbase.

**6. Neutral/Park/Clutch Pedal Safety Switch:**

- All vehicles must have a working neutral/park/clutch pedal safety switch. Vehicle must NOT be able to be started in any forward or reverse gear.
- Driver or pit crew member must be seated in the driver's position any time the vehicle's engine is running or anytime attempting to start the engine.
- Staging assistance allowed.

### ***SPIRIT OF THE RULE***

Although every effort has been directed towards complete, understandable, and correct rules, no one can possibly anticipate every situation or interpretation. With this in mind, we must refer to THE SPIRIT OF THE RULE. This means very simply, the intent of every rule and classification. Additional adjustments, alterations, modifications, and/or replacements not covered by written rules should not be assumed to be legal under SPIRIT OF THE RULE.

***SPIRIT OF THE RULE*** will be the final criteria by which rules will be interpreted and enforced.

Call your Rules Committee Representative about any questionable modifications. We want to help get you in the class you want to be in.

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***Let's have a great 2019 season!***

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**Entry Fees - MMA**

Street (reduced payback).....	\$20.00
Open Street and Super .....	\$25.00
Pro and Modified (Must be a member).....	\$30.00
Open (Must be a member) .....	\$50.00

**Rules Committee Members – MMA**

<b>Travis Snee – Rules Committee Spokesperson</b> .....	906-364-9639
Jason Czaja	Calvin Raedel
Brad Matson	Andy Brouwer
Scott Kuderer	Dan Olson

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