



MRA BOG / PIT CLASS RULES

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.
- 2). Tire diameter will be determined by factory stamp on side wall.

MRA - 33.0" STREET STOCK - PIT CLASS

GENERAL OVERVIEW:

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 stock- pit)

- 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 stock - pit)

- 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 brakej 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) Maximum 33.0" Unaltered DOT tires only.

ENGINE: (street stock - pit)

- 1). Motor must pull 17" of vacuum at 800 RPM's
- 2). Big block engines in full size 3A 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).

33.0" STREET STOCK - PIT CLASS – continued

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 exceptions:

11a) Factory installed OEM turbochargers permitted on diesels only.
end.

END OF STREET STOCK _ PIT CLASS

MRA - SUPER STREET - 37" PIT CLASS

GENERAL OVERVIEW

This is a 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: (super street pit)

- 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. (No body swaps).
- 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: (super street - pit)

- 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 leaves 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 duel master cylinder required.
- 13) Maximum 37" unaltered DOT tires

SUPER STREET _ PIT CLASS continued**ENGINE:** (super street - pit)

- 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:
 - a). Factory installed OEM turbochargers permitted on diesels only.
- 12). Competition exhaust allowed.

END OF SUPER STREET _ PIT CLASS

MRA - 40" SUPER STOCK - PIT CLASS

GENERAL OVERVIEW

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 Stock - pit)

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 Stock - pit)

- 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 (Pinion brakes allowed), dual master cylinder or OEM style dual reservoir master cylinder required. **NOTE:** 4 wheel brakes are highly recommended and shall become mandatory for the 2013 season. (**See General Rules**).
- 13) Maximum 40" unaltered DOT tires.
- 14) Minimum weight with driver:
 - 14a). Big block equipped vehicles - 3,600 lbs.
 - 14b). Small block equipped vehicles - 3,300 lbs.

ENGINE: (Super Stock - pit)

- 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.

SUPER STOCK_PIT CLASS continued

9). Fuel limited to race Gas or any pump gas (E-85 allowed) or diesel fuel only. No Alcohol, No ethanol No fuel additives or outlaw (oxygenated) fuels (i.e. Super Blue, Q-16, etc).

10). No power adders. No Nitrous, Noturbocharger(s), No superchargers.

With the following exceptions:

10a). Factory installed OEM turbochargers permitted on diesels only.

11). Competition exhaust allowed.

END OF SUPER STOCK_PIT CLASS

MRA - 46.5" RENEGADE PITCLASS

GENERAL OVERVIEW

This class is intended for four wheel drive trucks and Jeeps that have been highly modified for competition. Although the vehicle bodies may be lightened, they should appear stock and must utilize a factory frame in their chassis. Any engine, frame or body combination allowed.

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

BODY: (renegade-pit)

1). Any model jeep or truck body allowed. - must be recognizable.

Additional body guidelines:

1a). Steel body or equivalent fiberglass body parts required.

1b). One piece fiberglass front dips are allowed.

1c). Fenders, roof and doors must be retained if originally OEM equipped.

1d). Hood and grill must be present.

2). Removal (gutting) of inner steel body structures and inner bed and tub panels/structures is allowed.

2a). Exterior body panels should retain a stock appearance.

2b). No narrowing of the body.

2c). No narrowing or bobbing of rear bed or tub sides. Bed / tub sides may be trimmed to length - but shall extend past the rear of the rear tire. Rear wheel wells may be modified for tire clearance.

3). Body should fit wheelbase being used.

3a). Maximum distance from the center line of the front axle to the bottom of the (drivers) seat back shall not exceed 84 inches.

3b). The center of the front axle shall be inside the front wheel well opening.

3c). Front Wheel well openings may be modified for tire clearance.

4). A firewall and floor pan must be present protecting driver from engine and driveline components. Minimum .030 Steel or .060 aluminum recommended

5). The firewall shall extend from door to door and from the floor pan to the base of the windshield.

6). The floor pan shall extend from door to door and front of the cab or tub to rear of the cab or tub.

NOTE: the floor pan and firewall shall be securely attached to each other and to the framework of the chassis).

7). Racing seat(s) allowed. (5 point racing harness is required).

8). The driver's seat may be relocated back and to the center of the vehicle, but cannot exceed the 84 inch maximum (see 3a).

9). OEM Interior panels and trim - Not required.

10). Windshield, Rear and side window glass and related hardware - Not required.

11). Headlights and taillights - Not required

12). Bumpers not required.

13). No Flatbeds unless originally equipped.

CHASSIS: (renegade-pit)

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

1). Factory frame or frame rails required (Minimum length shall be from centerline of front axle to centerline of rear axle). Frame rails must be unmodified between these two (2) points.

Additional frame guidelines:

1a). Frame C-Notching allowed (top of C-Notch shall not extend above top of the upper most portion of the stock frame rail).

1b). Any width cross members allowed, stock with modifications or custom.

1c). Relocating of cross member(s) allowed, Modifications allowed. (Unused brackets and cross members may be removed at the discretion of the builder).

2). Minimum 8 point roll cage, (see **general rules**).

3). No back half vehicles allowed.

4). Any suspension (3 link, 4 link, coil over's) allowed

5). Any OEM style front and rear differentials allowed. Modifications allowed.

6). Any chain or gear drive transfer set ups allowed.

7). Any type Transmission allowed, modifications allowed (automatics must be shielded or SFI case)

8). Brakes are required on both front and rear axles (Pinion brakes allowed), dual master cylinder or OEM style dual reservoir master cylinder required.

NOTE: 4 wheel brakes are highly recommended and shall become mandatory for the 2013 season. **(See General Rules)**.

9). Fuel cell, radiator and battery may be relocated **(See General rules for guidelines)**.

10). Maximum 46.5" DOT tires.

11) Minimum weight with driver:

11 a). 3150 lbs big block equipped vehicles,

11b).2850 lbs small block equipped vehicles.

ENGINE: (renegade-pit)

1). Any OEM type automotive engine. (No aluminum blocks allowed, with the exception of OEM factory installed aluminum engines).

2). Engine placement: engine may be relocated a maximum of 12 inches back from the centerline of the front axle tube to the #1 sparkplug.

3). Any type of cylinder head allowed

4). OEM fuel injection only.

5). Any automotive type carbureted intake manifold allowed (sheet metal intakes allowed).

6). Maximum of 4 barrels of carburetion (split and stretched Dominators allowed, single Predator or single SV-1 allowed).

7). Vacuum pumps and dry sumps allowed.

8). No power adders: No Nitrous, No turbochargers, No superchargers.

9). Competition exhaust allowed

END OF RENEGADE _ PIT CLASS

MRA - 54" PRO TRUCK - PIT CLASS

GENERAL OVERVIEW:

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 truck - pit)

- 1). Any model jeep or truck body allowed - must be recognizable.
 - 1a). Fenders, doors and roof shall be retained if originally OEM equipped.
 - 1b). No narrowing of the body from the back of cab/tub (Driver Compartment) forward.
- 2). Narrowing or bobbing of rear bed or tub sides allowed.
 - 2a). if narrowed (bed sides or tub between the rear tires) panels should extend to the end of the frame.
 - 2b). If Bobbed rear quarter panels must extend a minimum of 12" behind the cab,
- 3). Hood and grill must be present.
- 4). Sheet metal interiors allowed (minimum 0.030 aluminum).
- 5). A firewall and floor pan shall 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 allowed. (5 point harness required)

CHASSIS: (Pro truck - pit)

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

- 1). The main frame rails of the chassis should be constructed of a minimum of 0.080 " square or rectangular steel tubing. Minimum dimensions of 2" X 3" or any OEM frame from front to rear.

Additional frame guidelines:

- 1a). Round tube can be used for additional bracing.
- 2). Minimum 8 point roll cage, (see **general rules**).
- 3). Any type suspension allowed.
- 4). Any OEM style front and rear differentials allowed. Modifications allowed.
- 5). Any style OEM or aftermarket chain or gear drive transfer set ups allowed
- 6). Any type Transmission allowed, modifications allowed (automatics must be shielded or SFI case)

PRO TRUCK _ PIT CLASS continued

7). Brakes are required on both front and rear axles (Pinion brakes allowed), dual master cylinder or OEM style dual reservoir master cylinder required. **NOTE:** 4 wheel brakes are highly recommended and shall become mandatory for the 2013 season.

(See General Rules).

8). Maximum 54" DOT tires with alterations (Cuts) allowed

9). Maximum wheelbase 150"

10). Minimum weight with driver **with power adder:**

10a). Big block equipped vehicles - 2800 lbs.

10b). Small block equipped vehicles - 2500 lbs.

11). Minimum weight with driver and **no power adder:**

11a). Big block equipped vehicles - 2500 lbs.

11b). Small block equipped vehicles - 2,200lbs.

ENGINE: (Pro truck - pit)

1). Any factory OEM type automotive engine.

2). Aluminum engine blocks are allowed.

3). Engine placement - engine may be relocated a maximum of 30 inches back from the centerline of the front axle tube to the #7 sparkplug.

3). Any automotive type of cylinder head allowed.

4). Aftermarket fuel injection allowed (No electronic fuel injection).

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). Power Adder: Nitrous allowed.

9). Race fuel allowed, M-1, M-3, M-5 Alcohols allowed.

10). No nitro methane or similar fuel accelerators. (Specific Gravity Tolerances Shall Not Exceed .817 @ 60 degrees)

11). No turbochargers, No superchargers.

12). Competition exhaust allowed.

END OF PRO TRUCK _ PIT CLASS

MRA - MODIFIED CUTS - PIT CLASS

GENERAL OVERVIEW

The modified class is primarily an alcohol injected nitrous class which also allows naturally aspirated combinations. The class is intended for highly modified four wheel drive vehicles featuring full tube (rail) chassis vehicles. Any engine location and aluminum engine blocks are permitted. These vehicles need not resemble any factory produced vehicle.

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

BODY: (modified - pit)

1). A body is required. It should be constructed from metal, fiberglass or plastic and can be any design. It should cover the driver's compartment of the vehicle.

2). A firewall and floor pan shall be present protecting driver from engine and driveline components. Minimum 0.030 Steel or 0.060 aluminum recommended..

CHASSIS: (modified - pit)

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

Additional chassis guidelines:

- 1a). All rear engine vehicles require that the roll cage must extend forward of the drivers feet in order to provide adequate protection for the drivers compartment.
- 2). Any engine location allowed.
- 3) Any type suspension allowed.
- 4) Any type of transmission
- 5) Any type transfer set up.
- 6) Any OEM style front and rear differentials allowed. Modifications allowed.
- 7) Brakes are required on both front and rear axles (Pinion brakes allowed), dual master cylinder or OEM style dual reservoir master cylinder required. **NOTE:** 4 wheel brakes are highly recommended and shall become mandatory for the 2013 season. **(See General rules)**
- 8) Vera Trac and similar sand tires are acceptable on front of the vehicle.
- 9) Maximum 46.5" DOT tires with alterations (Cuts) allowed.
- 10) Maximum wheelbase 150 inches.
- 11). Minimum weight with driver **with power adder**
 - 11 a). Big block equipped vehicles - 2450 lbs.
 - 11b). Small block equipped vehicles - 2150 lbs.
- 12). Minimum weight with driver and **no power adder:**
 - 12a). Big block equipped vehicles - 2150lbs.
 - 12b). Small block equipped vehicles - 1,850lbs.

ENGINE: (modified - pit)

- 1). Any automotive engine block allowed. Cast iron or aluminum
- 2). Any automotive cylinder head allowed.
- 3). Any automotive intake allowed
- 4). Multiple carburetors allowed
- 5). Aftermarket fuel Injection allowed.
- 6). Power Adder: Nitrous allowed.
- 7). Vacuum pumps and dry sumps allowed
- 8). Race fuel allowed, M-1, M-3, M-5 Alcohols allowed.
- 9). No nitro methane or similar fuel accelerators. (Specific Gravity Tolerances Shall Not Exceed .817 @ 60 degrees)
- 10). No turbochargers, No superchargers.
- 11). Competition exhaust allowed.

END OF MODIFIED _ PIT CLASS

MRA - OPEN PADDLES - PIT CLASS

GENERAL OVERVIEW

The open paddle tire class is primarily a supercharged alcohol injected, class which also allows turbochargers, nitrous, supercharges with nitrous as well as naturally aspirated combinations. The class is intended for highly modified four wheel drive vehicles featuring full tube (rail) chassis vehicles. Any engine location and aluminum engine blocks are permitted. These vehicles need not resemble any factory produced vehicle. Vehicles must meet all safety requirements for this class. (See general rules).

BODY: (open-pit)

- 1). A body is required. It should be constructed from metal, fiberglass or plastic and can be any design. It should cover the driver's compartment of the vehicle.
- 2). A firewall and floor pan shall be present protecting driver from engine and driveline components. Minimum 0.030 Steel or 0.060 aluminium recommended.

CHASSIS: (open-pit)

- 1). Chassis material shall meet MRA's minimum requirements. (See General Rules). However these are minimum standards and do not imply nor guarantee a drivers or vehicles safety. **Additional chassis guidelines:**
 - a). All rear engine vehicles require that the roll cage must extend forward of the drivers feet in order to provide adequate protection for the drivers compartment.
 - 2). Any engine location allowed.
 - 3) Any type suspension allowed.
 - 4) Any type of transmission
 - 5) Any type transfer set up.
 - 6) Any OEM style front and rear differentials allowed. Modifications allowed.
 - 7) Paddle tires or maximum of 46.5 DOT tires with alterations (cuts) allowed.
 - 8) Vera Trac and similar sand tires are acceptable on front of the vehicle.
 - 9) Brakes are required on both front and rear axles (Pinion brakes allowed), dual master cylinder or OEM style dual reservoir master cylinder required. NOTE: 4 wheel brakes are highly recommended and shall become mandatory for the 2013 season. (See General rules).
 - 10) Maximum wheelbase 150 inches.
 - 11) Minimum weight with driver with power adder
 - 11a). Big block equipped vehicles - 2450 lbs.
 - 11b). Small block equipped vehicles -2150 lbs.
 - 12). Minimum weight with driver and no power adders:
 - 12a). Big block equipped vehicles - 2150lbs.
 - 12b). Small block equipped vehicles - 1,850lbs.

OPEN_PIT CLASS continued

ENGINE: (open - pit)

- 1). Any automotive type engine, Cast iron or aluminum block allowed.
- 2). Any automotive type cylinder head allowed.
- 3). Power Adders: Superchargers allowed, turbochargers allowed, Nitrous allowed (see general rules)
- 4). Any intake allowed
- 5). Multiple carburetors allowed
- 6). Any Aftermarket fuel Injection allowed
- 7). Race fuel allowed, M-1, M-3, M-5 Alcohols allowed
- 8). No nitro methane or similar fuel accelerators, (Specific Gravity Tolerances Shall Not Exceed .817 @ 60 degrees).
- 9). Competition exhaust allowed.

END OF OPEN – PIT CLASS**~~Optional classes~~****MRA - SUPER MODIFIED - BOG CLASS
GENERAL OVERVIEW:**

This class follows the guidelines of the Modified bog class with the following exception:

- 1). Minimum 44" DOT/Military with no alterations or Agricultural/Industrial of any size allowed.
- 2). Minimum weight with driver:
 - a). Big block equipped - 4000lbs.
 - b). Small block equipped - 3700lbs.

END OF MRA BOG/PIT CLASS RULES

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