



## MRA HILL AND HOLE RULES

### Class 1 (may be split into 2 classes by TIRE SIZE)

#### GENERAL

This class is intended for trucks and Jeeps that are primarily street driven, have minimal modifications and are street legal. Engine, frame and body must be of same make.

IN ADDITION TO ALL GENERAL AND SAFETY RULES - THE FOLLOWING CLASS RULES WILL APPLY.

#### BODY

- 1) Stock steel body (minimal cutting allowed only for tire clearance)
- 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 must meet tech approval.
- 6) Must retain stock glass.
- 7) Headlights and taillights required (non-operational ok)
- 8) Front bumper required
- 9) Interior cannot be gutted.
- 10) Race seats allowed (4 point harness required with race seat)

#### CHASSIS

- 1) Full uncut OEM or OEM replacement factory frame front to rear.
- 2) OEM style suspensions only - Aftermarket lift kits allowed. (No removal of leaf springs allowed, No fiberglass leaf springs allowed).

- 3) Front and rear differentials, transmission and transfer case can be upgraded. No final drives or Unimog axles. (Any OEM or Aftermarket)
- 4) NO trans brakes allowed. Enclosed Transfer Case allowed)
- 5) Fuel tank, battery and radiator must be in stock location.
- 6) Maximum 44" Unaltered DOT tires only.

#### ENGINE

- 1) Motor must pull 17 "of vacuum at 800 RPM's. (No Vacuum pumps allowed)
- 2) Big block engines in full size % or 1 ton trucks only.
- 3) No V8's in mini trucks or mini SUV's (Unless OEM)
- 4) Engine must be located in stock location.
- 5) No aluminum engine blocks or aluminum heads (Unless OEM)
- 6) Single gas carb limited to 4150 / 4160 (no Predators, Dominators, no splits, no stretched)
- 7) OEM fuel injection only.
- 8) Cast aluminum intake only (no tunnel rams or sheet metal intakes)
- 9) Headers are allowed, mufflers are required and exhaust must extend to behind the driver's seat.
- 10) NO nitrous, blowers or turbo permitted unless OEM equipment).

## **Class 2 (may be split into 2 classes by tire size)**

### GENERAL

This class is intended for trucks and Jeeps that have been modified for competition but still utilize mostly stock components. They need not be street legal, but they should appear streetable.

IN ADDITION TO ALL GENERAL AND SAFETY RULES - THE FOLLOWING CLASS RULES WILL APPLY.

### BODY

- 1) Stock steel or OEM equivalent fiberglass body.
- 2) Body must match wheelbase.
- 3) Engine must remain in stock OEM mounting location.
- 4) A firewall and floor pan must be present protecting driver from engine and driveline components.
- 5) Gutting of interior and bed allowed.
- 6) Windshield required. (Lexan or equivalent)
- 7) Bumpers and mirrors not required.
- 8) Driver must sit in stock location.
- 9) Race seats allowed. (4 point harness required with race seat)

### CHASSIS

- 1) Any unmodified OEM or OEM replacement frame. Must retain two (2) stock cross members (unused brackets and cross members may be removed at the discretion of the builder).
- 2) 4 point roll cage required if vehicle is gutted.
- 3) Rear suspension must be leaf-spring unless equipped otherwise from the factory. Ladder bar suspension allowed (No 4-link, 3-link, floaters or coil over shocks). Any OEM factory style front suspension allowed (I.e.) Ford coil spring suspension. (NO relocation of mounting points permitted)
- 4) Leaf-spring vehicles must have at least one functional leaf spring at each corner.
- 5) Front and rear differentials, transmission and transfer case can be upgraded. No final drives or Unimog axles. (Any OEM or Aftermarket Enclosed Transfer Case allowed)
- 5) Radiator must be located in front of motor.
- 6) Transmission modifications and trans brakes allowed, (must be shielded)
- 7) Maximum 54" unaltered DOT tires

## Engine

- 1) Engine must be same type as truck. (No aluminum blocks allowed)
- 2) No V8's in mini trucks or mini SUV's
- 3) Engine to be mounted in stock location, (no engine set back allowed)
- 4) Aluminum heads allowed.
- 5) Any unmodified single gas carburetor allowed (NO alcohol)
- 6) OEM fuel injection only.
- 7) Vacuum pumps and dry sump s allowed.
- 8) Open Downdraft headers are allowed, no upright headers.
- 9) NO nitrous, blowers or turbo permitted (unless OEM equipment)

### **Class 3 (may be split into 2 classes by tire size)**

#### GENERAL

This class is for highly modified four wheel drive race vehicles. Competition chassis, race bodies and high performance race engines allowed.

IN ADDITION TO ALL GENERAL AND SAFETY RULES - THE FOLLOWING CLASS RULES WILL APPLY.

#### BODY

- 1) Must have a body.
- 2) A firewall and floor pan must be present protecting driver from engine and driveline components.
- 3) Center seat acceptable, driver must be seated behind the engine. (NO rear engine)
- 4) Glass not required.
- 5) Gutting of interior and bed allowed.

#### Chassis

- 1) The main frame of the chassis must be constructed of minimum 2 X 3 steel or OEM frame from front to rear. Round tube can be used for additional bracing.
- 2) Minimum 6 point roll cage required.
- 3) Suspension limited to leaf-spring, IFS, or coil and radius arm.. Coil over shocks are not permitted.
- (3a) The intent of this rule is to prevent adjustable pinion angles. Any after market suspension parts must be non-adjustable.
- 4) Any style OEM or aftermarket chain or gear drive transfer set ups allowed.
- 5) Maximum 49" unaltered Dot Tires only
- 6) Maximum wheelbase 150".

#### ENGINE

- 1) No aluminum blocks.
- 2) Maximum Engine setback 12" from center of balancer to center of differential.
- 3) Any Carburetor or injection system allowed, (Naturally aspirated only) alcohol allowed.
- 4) Vacuum pumps and dry sumps allowed.
- 5) Open headers allowed.
- 6) NO nitrous, blowers or turbo permitted unless OEM equipment)

## Class 4 (may be split into 2 classes by tire size)

### GENERAL

This class is for highly modified four wheel drive race vehicles. Competition chassis, race bodies and high performance race engines allowed.

IN ADDITION TO ALL GENERAL AND SAFETY RULES - THE FOLLOWING CLASS RULES WILL APPLY.

### BODY

- 1) Must have a body.
- 2) A firewall and floor pan must be present protecting driver from engine and driveline components.
- 3) Center seat acceptable.
- 4) Glass not required.
- 5) Gutting allowed.

### Chassis

- 1) Full tube chassis allowed (differential to differential)
- 2) Minimum 8 point roll cage required.
- 3) Any type suspension allowed.
- 4) Any style OEM or aftermarket chain or gear drive transfer set ups allowed.
- 5) Maximum 49" unaltered Dot Tires only
- 6) Maximum wheelbase 150".

### ENGINE

- 1) Any automotive type engine acceptable.
- 2) Rear engine allowed.
- 3) No aluminum blocks allowed.
- 4) Any type of head and intake.
- 5) Any Carburetor or Injection system allowed. (Naturally Aspirated only), alcohol allowed
- 6) Vacuum pumps and dry sump allowed.
- 7) Open headers are allowed.
- 8) NO Nitrous, blowers or turbo permitted (unless OEM equipment)

## **Class 5 (4&6 cylinder)**

IN ADDITION TO ALL GENERAL AND SAFETY RULES - THE FOLLOWING CLASS RULES WILL APPLY.

### BODY

- 1) Body must remain manufacturer recognizable.
- 2) Maximum wheel base 150".
- 3) Must have a firewall between driver and motor.
- 4) Gutting of bed allowed, bed skins ok.
- 5) Interior gutting allowed.
- 6) Race seats allowed.

### CHASSIS

- 1) Any OEM or OEM replacement frame. Must retain two (2) stock cross members (unused brackets and cross members may be removed at the discretion of the builder)
- 2) Any suspension allowed.
- 3) Front and rear differentials, transmission and transfer case can be upgraded. No final drives or Unimog axles. (Any OEM or Aftermarket Enclosed Transfer Case allowed)
- 4) Trans brakes allowed.
- 5) Maximum 36" unaltered DOT tires only.

### ENGINE

- 1) Engine must be same type for truck.
- 2) Any carburetor or OEM or aftermarket injection system allowed.
- 3) Naturally aspirated only.
- 4) Open Headers are allowed, NO upright headers allowed.
- 5) Must have firewall between engine and driver.
- 6) NO Nitrous, blowers or turbo permitted (unless OEM equipment)

### **Class 6 (Unlimited)**

IN ADDITION TO ALL GENERAL AND SAFETY RULES - THE FOLLOWING CLASS RULES WILL APPLY.

- 1) Must be 4 wheel drive.
- 2) Any frame and suspension allowed.
- 3) Any engine, transmission combination allowed.
- 4) Any power adders allowed.
- 5) Any tire combination allowed.
- 6) Any fuel allowed.
- 7) 90 degree deflector required on any aircraft engine.

### **Class 7 (Tractor Tire)**

#### GENERAL

This class is intended for highly modified 4 wheel drive vehicles allowing tube chassis, any engine location and aluminum engine blocks. These vehicles need not resemble any factory produced vehicle. This class is intended for trucks that go through the mud rather than over it.

IN ADDITION TO ALL GENERAL AND SAFETY RULES - THE FOLLOWING CLASS RULES WILL APPLY.

#### BODY

- 1) A body is required. It can be constructed from metal, fiberglass or plastic and can be any design.
- 2) A firewall and floor pan must be present protecting driver from engine and driveline components.

#### CHASSIS

- 1) Chassis material, design and workmanship must meet safety requirements and tech approval.
- 2) Rear engine vehicles roll cage must provide adequate protection to driver legs.
- 3) Any type suspension allowed.
- 4) Minimum 44" DOT/Military with no alterations or Agricultural/Industrial of any size allowed.
- 5) All tires must be same diameter as stamped by Manufacturer.
- 6) Minimum of 1 ton front and rear differentials.
- 7) Minimum of 6 point roll cage required.



**ENGINE**

- 1) Any automotive type engine acceptable (aluminum blocks allowed)
- 2) Any carburetor or injection allowed, NOS, Superchargers, or Turbos allowed.
- 3) Gas or Alcohol only, no nitro methane or similar fuel accelerators.
- 4) Open Headers allowed.

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