

# SET# 3 STONEY ROBERTS DEMOLITION DERBY

## 4 or 6 CYLINDER MINIVANS

### DOMESTIC OR FOREIGN

A minivan, multi-purpose vehicle (abbreviated MPV), people-carrier, people-mover is a type of automobile similar in shape to a van that is designed for personal use. Minivans are taller than a sedan, hatchback or a station wagon, and are designed for maximum interior room. Three types of Minivans exist Large Minivans, Compact Minivans and Micro Minivans. For the purpose of Demolition Derbies that we produce we will only use the Large Minivan Category. These will be Minivans that exceed overall Length of 168 inches. (This is not wheelbase but overall vehicle length).

1. **ANY MINIVAN Foreign or Domestic 4 or 6 Cyl** models. All engines must be forward of the front seats. You may use four wheeled drive models: If four wheeled drive one of the drive trains must be disconnected (Your Choice). Minivans must have an overall length of at least 168 inches. No Compact Minivans or Micro-minivans will be permitted. No snub or flat nose Minivans are permitted.

2. **ALL GLASS AND CHROME TRIM** and anything that might become imbedded in the track, must be removed from the car **before** bringing auto to the grounds. Also, car must be cleaned out, including trunk. Fire walls must remain in place. They cannot be sectioned or deleted. **Do not** leave broken glass in doors, clean them out. **WINDSHIELDS MUST BE REMOVED**. All **AIR BAG SAFETY SYSTEMS** this includes activation charges must be removed.

3. **TIRES MUST BE STOCK SIZE**, 4 ply only Passenger rated tire. **Maximum size 15 inches**. Maximum rated 45 lbs PSI pressure, **Mud & Snow okay**, no inner liner, no truck or light truck tires (**LT's**), no paddle tires with tractor or ATV aggressive tread. No spoked rims, valve stem guards, or tires held on by being screwed to the rims. Tires can only be filled with air, no fluids or solids ( tires within a tire are considered reinforcements ) ( tires marked tubeless may have tubes inserted in them.) Remove all wheel balance weights inside and out.

4. **A MAXIMUM OF FIVE (5) GALLONS OF GASOLINE WILL BE ALLOWED**. **GAS TANKS** behind the axle should be moved to the trunk or to the driver's compartment back seat area. If in drivers compartment the tanks must be **completely** covered by a **Metal** firewall. If gas tanks are located in **front of the rear axle** they can be left in place but should be covered with a **skid plate** ( between ground and tank) to prevent them from being damaged, from the ground side. Only unleaded gasoline with a maximum octane level of 93 will be permitted. **BOOSTED** or **RACING FUEL** will not be allowed. If you have a car equipped with a fuel pump in the gas tank, you must install a emergency cut off switch upon the dash with a red circle painted around it. No external fuel pumps will be allowed within the drivers compartment. If you run gas lines in the drivers compartment they must be double lined & double clamped. (a fuel line within another line.)

5. **ONLY ONE (1) STOCK BATTERY** will be allowed. A maximum of **850 cold** cranking amps will be permitted. It must be incased in some way to catch any leaking acid if it should become ruptured. It may be moved into the passenger floorboard area. Must be mounted & covered for participants protection.

6. **NO REINFORCEMENTS OF ANY KIND WILL BE ALLOWED**. Only exception will be the driver side front door. Reinforcement bars or plates added to the drivers side doors may not exceed eight inches (8") past the vertical seams of the door. Trailer hitches or any type of stiffening device are considered reinforcements. You may **Weld** rear ends or differentials to create a positive traction rear end. Rear ends cannot be chained. **No interchangeable rear ends. Only stock rear ends**. No mini truck rear ends No solid shocks or adding extra clamps or springs to suspension (suspension must work). Welding of bumper shocks are considered reinforcements. Maximum bumper height is 20 inches from the ground to the center of the bumper. It is suggested that you attach two vertical metal rods or chains approximately 12 inches from each end of the windshield opening to protect driver from hood coming off of hinges and collapsing back in to the driver compartment. If your Minivan has a interior **DOG HOUSE ENGINE COVER** it must be secured and not be removable.

7. **STANDARD EXHAUST SYSTEM** may be removed or cut off just aft of the front seats. Do not position exhaust to deflect the heat out to the side of the vehicle. Additional headers, stacks, or custom manifolds **cannot protrude** past the level of the hood or through the body of the car etc.

8. **DO NOT WELD OR BOLT** hood or trunk lids down with any type all thread bolts or rods. Use wire only on up to six points of hoods. Trunks can be chained shut in four places only. All doors must be Chained shut or welded (Chain is preferred on at least one door to allow for quick removal of injured participants). If doors are welded a maximum of three (3) , four inch (4") welds in length on the two vertical seams per a door will be permitted. If a driver's side door comes open, he or she will be disqualified.

9. **A 10 BY 12 INCH HOLE** must be cut into the center of hood. To allow for early fire detection. **ALL Metal Fan Blades** must be removed. They may be replaced with polycarbonate plastic blades. Only exception will be if your car is equipped with a slip clutch fan blade and fan shroud or **came stock** with an **electric fan** and shroud. You may create your own fan shroud out of some type of thin metal material & replace stiff original fans with slip clutch fans. You may use electric fans ( only one) on cars that did not come equipped with them from the factory.

10. **PRIOR TO BRINGING CARS TO FAIRGROUND** radiators must be drained and back flushed of all antifreeze coolants. They then can be refilled with water or any of the new naturally biodegradable coolants. You **must evacuate** all air conditioning apparatus (lines & pumps) and gas refrigerant coolants from your vehicles. Transmission coolers may be used but must stay within the engine compartment. (under the hood)

11. **SAFETY BELTS, HELMETS (DOT approve), AND IMPACT RESISTANT EYE PROTECTORS** are required. If car was equipped with a shoulder restraint system including lap belt, both must be used. Driver can be disqualified at any time if either belt or helmet is removed during a heat. Diver's must wear long sleeve shirts & Pants. No electronic communications between driver and any other individuals permitted. **NO TWO WAY RADIO'S**. No deliberate head-on collisions or deliberately ramming a driver's door. This can lead to disqualification. **A TIME LIMIT** will be set by the judges. IF A DRIVER DOES NOT HIT A LIVE CAR WITHIN THE TIME LIMIT, this can lead to disqualification. **No Possums!**

12. **ADDITIONAL SAFETY REGULATIONS MAY BE IMPOSED** depending on the track. Rules are subject to change to fit the event . If you have any safety concerns. Call 1-888-361-5767 **THE DECISION OF JUDGES IS FINAL. ANY DRIVER NOT OBEYING THE RULES WILL BE DISQUALIFIED.**

13. **ALL CARS MUST BE REMOVED FROM GROUNDS BY THE OWNER NO LATER THAN 7:00 A.M. THE NEXT DAY FOLLOWING THE DERBY. THIS IS YOUR RESPONSIBILITY**, so make arrangements before derby time.

Example of types of Mini Vans that you may consider top use.

Chrysler Mini Van  
Honda Odyssey  
Pontiac Montana  
Olds Silhouette  
Ford Windstar  
Toyota Sienna  
Chevy Venture  
Dodge Caravan

Chrysler Voyager  
Dodge Grand Caravan  
Mazda MPV  
Nissan Quest  
Chevy Astro  
Mercury Villager  
Chrysler Town Country  
Plymouth Voyager  
Renault Space

Honda FR-V  
GC Safari  
Fiat Multiplan  
Fiat Ulysses  
Chevrolet Uplander  
Mercedes-Benz R-Class  
Ford Galaxy  
Euro Van