

# **OFFICIAL 2021 DEMOLITION DERBY RULES & REGULATIONS**

## **Presented by Smash Motorsports**

### **DISCLAIMER**

The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events.

These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator or official.

The Race Director shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that in his opinion do not alter the minimum acceptable requirements. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.

THE MANAGEMENT

### **GENERAL RULES**

**ATTENTION:** Demolition Derbies are promoted as unusual spectator attractions. It is the responsibility of all drivers and crew members to follow and obey all, of the rules set forth by the sanctioning body and the Promoters of this event. You are participating at your own risk and as a condition of your participation in the event you acknowledge that you will be required to sign a further release of liability form provided to you on the day of the event.

All Official and Promoter decisions are final. By signing the entry application form, you have acknowledged that you have read, received a copy of, and understand all, of the rules and regulations associated with the event. Illegal items passing through technical inspection that are not detected by the officials are still considered to be grounds for disqualification if found in a later inspection. Any deviation of these rules and regulations will result in an immediate disqualification.

- **ENTRY FORMS:** The driver must fill out and submit the Official Entry Form. All accepted entrants are participating on their own behalf and are completely independent of the event organizers. As an independent contractor, entrants are assuming all responsibilities for prize money received including all taxes and government payments. All entry applications are subject to approval by the Fair Association and/or the Promoter. Both parties reserve the right to refuse any entry application. **All accepted entrants must provide a valid piece of identification on request and all drivers must be of legal age as per insurance company and/or hosting facility.** Once your entry is accepted, there will be no refunds of any type, for any reason.
- **CONDUCT:** Rule infractions by a driver or a crew member will result in immediate disqualification of that car and driver. Crew members' actions are the responsibility of the driver. The competition rules will be explained at the **Mandatory Driver's Meeting** prior to the first event. Any driver not attending this meeting will NOT be allowed to participate, NO EXCEPTIONS. IMPORTANT: There is to be no consumption of alcohol or drugs by any driver or crew member. Police will be on hand to enforce these rules of conduct and other Federal, Provincial and Local Laws. No alcohol coolers in the Pit Area. Coolers and vehicles will be subject to search at the point of entry to the Pit Area. Infraction will result in disqualification and removal from the Fairgrounds. Violation will result in a lifetime ban from all future events.
- **PARKING:** You are expected to park your haulers in an appropriate manner. Do not block roadways, driveways, or fire lanes. You may be required to move your vehicle at the discretion of the officials. Failure to do so will result in disqualification.
- **PIT AREA & INSURANCE:** Only persons signing the release of liability sheet and purchasing a PIT PASS and being of Eighteen (18) years of age will be permitted in the Pit Area. Only those issued Pit Passes will be allowed to work on the car. Minor Releases may be available for underage children at the discretion of the Registrar. All injuries must be reported to the officials at once.
- **PIT GATE:** Officials have the right to close registration once they feel the field is full. This does apply to pre-entered cars.

- **PREPARATION:** All cars must be brought to the demolition derby grounds prepared. No preparation work will be allowed once inside the restricted area. Only changes required by the technical committee will be permitted. If the Competition Director feels that a competitor is not prepared, he reserves the right to disqualify the car and the driver and replace them with the first available car and driver from the waiting list.
- **PROPER DRESS:** All entrants **MUST** wear clean, long-sleeved clothing; coveralls or SFI approved fire suit are recommended. Protective eye goggles or a face shield are strongly encouraged. All entrants must wear a proper fitting SNELL or DOT (2010 or newer) approved, motorcycle/racing helmet always. ***No half helmets. Recommended Head and Neck Restraint.***
- **PROTESTS:** A written protest must be accompanied by \$250.00 and submitted to the Competition Director within 2 minutes of the event's completion. Protests may apply to a violation of a written technical rule that may have provided an unfair advantage only. Only the Driver is permitted to protest. Officials have the right to impound and inspect any car at their discretion at any time provided prize money has not yet been awarded.
- **REFUNDS:** There are no refunds of any kind for any reason once the application for entry has been approved.
- **REMOVAL OF CARS/PARTS/TIRES:** It is the responsibility of the driver to remove the car and all other parts from the facility after the event. In the event, that a car has been sold to an auto recycler and it is not removed, the driver will be billed for its removal. Any driver found to illegally dump parts and/or used tires used in a demolition derby on private or public property will receive a lifetime ban from all future events.

# OFFICIAL 2021 4 CLYINDER SPECIFICATIONS

## Presented by *Smash Motorsports*

\*\*\*CARS MUST BE STOCK – ALL EXCEPTIONS ARE NOTED – READ CAREFULLY\*\*\*  
In the spirit of equalizing competition, adjustments may be made as becomes necessary.

- **FOUR CYLINDER CAR EVENTS:** Any stock 4-cylinder front-engine hardtop coupe, sedan or station wagon is allowed. Cars that have already been used in another competition may be disqualified if they are, considered to be too battered and unsafe. No All-Wheel Drive, AMC Concorde, Checker Cabs, Convertibles, El Caminos, 4x4's, Hearses, Jeeps, Limousines or Trucks are allowed.
- **APPEARANCE:** Both front doors must be painted white and free of lettering. If you have been pre-assigned number, paint this number on both doors in a contrasting color before coming to the event. Paint must be completed and dry before entering the Pit Area. Lettering must be in good taste.
- **BATTERY:** Battery must be covered with a quality, non-flammable cover or box, and installed in a secure location. Battery must be securely fastened. Battery may be placed in the passenger side foot well. One 12-volt car battery only. Recommend two threaded rods ½" thick large washers under floor with flat bar on top to hold down battery
  - NO milk crate installations. Battery must be secured by metal bracket or above-mentioned method.
- **BODY:** Body bolting permitted-maximum 5-3/8" bolts per panel. Body creasing will be limited to quarter panels and trunk only.
- **BODY MOUNTS:** Four additional mounts allowed with max ¾" rod. Rad support mount can go through frame rad cradle and hood. All other mounts must remain stock.
- **BRAKES:** All cars must have fully operating brakes on all four wheels. No cutting or pinching of brake lines.
- **BUMPERS:** Bumpers may not be reinforced. Bumper ends may be bent in. Bumper shocks may be welded or chained but must remain in the stock location.
  - Bumpers can be seam welded. Bumpers can be welded on with maximum ¼" plate from front of the radiator cradle forward.
  - If bumpers are removed, any remaining spears must be removed as well.
  - All trailer hitches and brackets must be removed.
  - Any car bumper is allowed. Must be no wider than body.
  - Rusted or broken bumpers may be repaired by a maximum 3" repair plate. This repair must be pre-approved by a tech official before the event.
  - Rear bumper must be stock or removed completely.
  - Square tubing instead of a front bumper may be used max.- 4"x 4" or 2"x 6"  
If tubing is used as bumper, it MUST be either- 1) Covered with a bumper skin OR 2) 4" on either end must be bevelled in. SEE DIAGRAM



Bumper to be no wider than front tires

- **DOORS:** Doors may be chained, strapped, spot welded for one (1) every twelve (12) inches, tabbed or wired shut. No solid welded doors.
  - Outside: Flat Bar only no greater than 12" wide by 72" long, no greater than ¼" thick. Bevel allowed. *Reinforcements must be bolted on, no solid welding of the flat bar.*
  - No C-Channel or Angle Iron. Bolted with no more than four (6) ½" bolts and welded for one (1) inch every twelve (12) inches. Bolts cannot point outward and cannot have sharp edges. **Inside:** Three (3) bars of pipe or steel bar mounted across driver's door and securely fastened to floor. The reinforcing material may not extend more than eight (8) inches past either end of the **DRIVER'S** door. It is recommended that the reinforcements be covered with high quality roll bar padding.
- Drivers door MUST be reinforced, inside or outside or both
- **ELECTRICAL UNITS:** Solenoid, voltage regulator, and computer electronics may be relocated provided they remain forward of the fire wall and under the hood. All fuses except those controlling the gauges, charging system and ignition must be removed.
- **ENGINE:** Engines may be interchanged, i.e. A Chevrolet may be run in a Ford, etc., but not modified. Engine may be secured to the frame by any method providing it does not strengthen other components. Engines modified

for performance racing are not permitted. **Carb/distributor cage or protector will be allowed. Must be minimum 1" space between firewall and any part of the cage or protector on fresh cars.**

- **EXHAUST SYSTEM:** Pipes may be in stock formation or pipes may extend straight up, through the hood. Pipes may not be aimed at other cars. Excessively smoking cars will be disqualified.
- **FAN BLADE:** Metal blade fans must be removed or replaced with a plastic bladed fan that is completely shrouded. Shrouded electric fans are recommended. **No clutch fans.**
- **FIRE EXTINGUISHERS:** All cars must be equipped with a dry chemical fire extinguisher (with gauge) that is within reach of the driver.
- **FIREWALL:** The firewall dividing the engine and the driver's compartment must remain intact. All holes must be covered or filled by flame proof material, preferably metal. **2" min. - 4" max. dash bar bracing permitted welded or bolted below windshield post. If bar is not secure it will be removed at the official's discretion.** Area behind distributor can be cut out but must be filled by flame proof material. (Metal or air bag material)
- **FRAME:** Rusty or bent frames may be repaired using FOUR —4" x 4" patches max. All repairs must be painted in a bright colour. A maximum of four repair plates to be used with 2" between each repair.  
No frame modifications, tilting, hump plates, welding of seams, shortening, grafting, pounding centre of humps etc.  
Frame repairs must be pre-approved or will result in disqualification.
  - **SUB FRAME:** Must be in the stock location.
  - **NO WELDING SUB FRAME TO BODY/FRAME**
- **GAS TANK:** Stock gas tank must be removed from original position. Must be a steel marine tank, custom steel fuel tank, or certified racing fuel cell. Five gallons of fuel max **NO PLASTIC TANKS**, fittings and lines must be secure, leak proof and of high quality. Metal or rubber gas lines only, no plastic lines. No reserve tanks. Tank must be secured and bolted down with a tank bracket or threaded rod No ratchet straps or metal strapping and must be covered by a metal firewall or **fireproof material (air bag)** that completely shields the tank from the driver. Gas tank should be mounted where the back seat was located. Tank should be secured no more than eighteen (18) inches forward from the rear axle. Electric fuel pumps must be covered with fireproof material and have a clearly marked (**contrasting color of the surrounding area of the car**) shut-off switch within reach of the driver and a secondary switch mounted on the outside roof above the driver will be disqualified. within 12 inches of the top of the driver's door rear post. If the car becomes too battered and the gas tank is in danger of being compromised, you will be disqualified.
  - **Floating gas tank or gas tank protector permitted. Gas tank must be tight to rear seat bar and gas tank protector can be no more then 4 inches wider, longer, or taller than gas tank or fuel cell. Must be 12" off any floor. NO oversized fuel tanks. Fuel tanks that are rectangular in shape must have**



the long side to seat bar.



- **GLASS:** All glass and plastic must be removed. This includes all chrome and lights. Glass inside door panels must be removed. Trunk and inside of car must be swept clean.
- **HOOD, TRUNK, & HATCHBACK:** Minimal sized holes are permitted for the exhaust pipes.
  - Hood, trunk, and hatchback may be tied down in four positions only by using seat belt straps or no more than six (6) threads of wire on each tie down spot. Hood can be tied to the bumper.
  - **Trunk lid or hatch can be welded in four spots, use of four 3"x3"x 1/4" plates allowed.**
  - All latches must be removed. A hole in the hood is mandatory and must be no more than eight (8) inches in diameter and remain within one (1) foot to the sided of the centre of the carburetor. Hood and trunk springs must be removed. Hinges must be hooked up. Leave hood and trunk open until inspected.
  - **Maximum two 3/4" or less threaded rods can be bolted threw the hood, welded or bolted to the frame at the rad cradle.**

- **IGNITION:** Ignition switch may be altered, if a key or toggle switch replaces on/off switches. Switch must be within sixteen (16) inches of steering wheel.
- **INTERIOR:** All knobs, handles, decks, unnecessary upholstery, or seats must be removed.
- **PROTECTIVE SCREEN:** A protective bar or screen over the driver's half of the windshield is mandatory. Use one of the following 3 options: 1) heavy construction style with wire mesh; 2) Lexan or Plexiglas sheets; or 3) upright steel bars. **A racing type window net with quick release is recommended on driver's door but not mandatory. Any screen on driver's door must have a quick release, driver must be able to exit from driver's side window opening.**
- **WINDSHIELD AREA:** **A strong protective bar in center of windshield area mandatory, must be securely bolted. 2"x 1/4" thick flat bar recommended. A or H windshield bars allowed.**
  - Screen over the driver's half of the windshield is recommended. **Any screen on driver's door must have a quick release, driver must be able to exit from driver's side window opening.**
- **RADIATOR & COOLING SYSTEM:** **Any automotive radiator.** Radiator must remain in front of the engine in the stock position or be removed altogether. Worn out radiator brackets may be replaced providing the new mounting brackets do not provide any performance or strength advantage. No angling of the radiator or its brackets. All antifreeze must be removed and replaced with water. The heater system may be bypassed. **Any automotive air conditioning condenser can be used. Condenser can be bolted or wired to rad cradle.**
  - Locked or welded differentials will be allowed
- **REAR SEAT:** Both seat cushions must be removed.
- **INTERIOR BRACING:** Roll bars are recommended. It should be constructed of steel tubing minimum size 1.75" O.D. x .095 thickness to a maximum of 4.00" O.D. and be securely braced and fastened (bolted or welded) to the frame or unibody. Roll bar can run up each door frame and go over the roof but must be bolted to the roof in two spots. This roll bar can be bolted or welded to floor or rockers only. An additional bar can be run directly behind the seat door frame to door frame. Dash Bar allowed must be a minimum of 12 inches off floor and only welded to door frames  
dash bar and seat bar may be connected on driver's side against door and passenger side 10 inches inside of door. please see last page for diagram. NO Additional bracing permitted
  - **No Rear window bars**
- **SEAT BELTS:** Seat belt and shoulder harness must be worn during competition. Seat belt must be secured to the frame. Shoulder harness must be "quick release" type found in any new auto and must be bolted through the roof unless it was original equipment.
- **SUSPENSION:** Vehicle must be factory soft. Shocks, coils, and leaf springs must be stock **for the vehicle. Air ride can be changed to coil springs but must be at stock height.** Springs with spacers, frozen shocks and turned up torsion bars are illegal. No more than five leaf springs. Car must sit at stock height. Suspension must be operational by one man's effort. It is recommended that coil springs are wired in place
  - **No Chaining the front suspension. No strut protectors**
- **TIRES:** Tires must be street legal **passenger (P), Light Truck (LT) or Trailer (ST) Inner Liners and doubled tires are permitted. NO liquid air filled tires. Inner tubes are permitted. Snow tires are allowed. NO** special Off-Road tires. **NO** studded tires allowed. Come with legal tires and wheels, No refunds! Upon dispute, the final decision will be made by the Competition Director. No protests.
- **TRANSMISSION:** Transmission may be interchanged but not modified, it must be factory stock. A direct shift linkage through the floor is permitted. Transmission coolers permitted but only if they are secured inside the engine compartment.
- **WHEELS & WHEEL WELLS:** No welding of objects on wheels to protect air stems. Remove all wheel weights. Wheel wells may be cut or trimmed no more than one (1) inch for wheel clearance only.

### **COMPETITION RULES – VIOLATION CONSTITUTES DISQUALIFICATION**

1. No deliberate head on collisions.
2. No deliberate hitting of the driver's door.
3. All four (4) brakes must be working.
4. All drivers must always remain in the car unless otherwise instructed by the Competition Director or Security.
5. The sixty (60) second time limit between hard, competitive hits will be strictly enforced. Soft hits will not be tolerated, and the count will not be reset. Exceeding the sixty (60) second time limit will result in disqualification.
6. Any observed loss of helmet or release of seat belt (intentional or unintentional) will result in immediate disqualification.
7. Any breach of the barriers/boundaries could result in disqualification. Only one tire is needed. Any intentional or unintentional hitting of another car over the barriers will result in both cars being disqualified if the car A cannot push car B off the barrier within thirty seconds.
8. No drinking of alcoholic beverages allowed by drivers or crew members on the track or in any restricted area prior to the conclusion of the feature event. Drivers may be checked prior to each event. Any driver or crew member that is under the influence of alcohol or drugs will be immediately disqualified and subject to removal and/or arrest by Police.
9. Fire extinguishers must be within reach of the driver. You will be disqualified if you do not have one.
10. No sandbagging. You are required to make frequent, hard, competitive hits. Taking advantage of the sixty (60) second rule may result in a faster count or disqualification. If your car cannot be restarted, you are required to give the "kill signal" (fake slashing of the throat with one hand) to an Official.
11. Cars must always be driven professionally and responsibly when not in competition. Operating in a manner which endangers the safety of others will result in removal from the grounds by the Police and a lifetime ban from all future events.
12. There is to be no fighting or horseplay with other competitors. Do not approach any official during an event when cars are competing.
13. Cars on fire will be disqualified. However, at his discretion, the Competition Director may allow the driver to restart if it was a carburetor fire. If the fire restarts, the car will be disqualified.
14. You will be disqualified if you ignore the instructions of a Flagman. If you refuse to stop, the race will be halted, and you will be required to evacuate the car. Refusal to do so will result in removal from the grounds by the Police/Security and you could face a lifetime banishment from all future Smash Motorsports, Fair or Speedway events.

### **FLAG SIGNALS & RULES – PAY ATTENTION TO THE FLAGMEN**

**GREEN FLAG:** The event has started; it is okay to drive according to the rules governing the event.

**RED FLAG:** All cars are required to stop in a safe manner immediately. You must remain stopped until the Green Flag is waved again.

**BLACK FLAG:** You are disqualified. Stop your car immediately.

**CHECKERED FLAG:** The event is over. The winner(s) will be identified by the Competition Director.

**POINTING TO THE ELBOW:** Warning of an unintentional hit to another driver's door. One more time and you will be disqualified.

**CROSSED ARMS OR FLAGS:** Warning of an unintentional head on collision. One more time and you will be disqualified.

**POINTED BLACK FLAG:** Warning. You are at risk of disqualification for your last action.

**HORN OR SIREN:** This signal will accompany a RED FLAG situation. Locate a flagman to be sure of the RED FLAG and stop your car.

**RULES: Mark Bazuin-(905)536 6926 text or call**  
**COMPETITION: Doug Leonard-(905)981-1119 text or call**