



Alien Motor Speedway

October 30-31, 2020 Demolition Derby

Safety Rules and Regulations

ALL CARS MUST BE AT THE TRACK BY 5PM ON 10-30-2020 FOR INSPECTION, DRIVERS MEETING, AND HEAT DRAWS.

STOCK DERBY CAR (NO convertibles, Ambulances, circuit cars will be allowed.) with NO modifications other than the following;

1) Any arguments and/or violations can result in disqualification and ejection from ALIEN MOTOR SPEEDWAY Cars must pass a pre-inspection prior to entering the pit area. All inspections are the responsibility of the pit officials. Only the driver and mechanics will be allowed at the inspection/check in. All decisions made by officials are final. You must be a driver to protest, the fee is \$200 and you must have cash in hand. This protest must take place immediately at the conclusion of the feature event.

2) Stock gas tanks must be removed. Auxiliary fuel tanks will be placed in the middle of the back-seating area and must be secured with metal straps or bolted thru the floor board with backing plate no bigger than ¼ inch thick 6x6, may not be used to strengthen the car. All tanks must be legal racing design and vented with a maximum 5 gallons of pump gasoline. Fuel lines are to be routed under the car and are not permitted inside the driver's compartment. Electric fuel pumps may be

used but must have an emergency cut off switch located on passenger side pillar, Switch and pillar must be painted orange,

3) All car glass, aluminum, plastic, chrome, pot metal, door handles, key locks, dash plastics, heater core suitcases, or any hazardous pieces and loose debris must be removed from the car.

4) Only two batteries will be allowed per car. Batteries must be placed on the passenger front floorboard and be securely fastened with a protective cover to prevent movement and spillage.

5) Engine hood must be OEM. Hoods may be bolted down if bolt threads are flush with the top of the nuts, hair pins are acceptable. Cut hoods are acceptable but must not exceed forward edge of radiator. Doors must be secured with minimum 3/8" cables, 3/8" chain or welded. All welds shall not exceed 4" in length and be placed no closer than 12" from adjoining welds. Filler stock must not exceed 1/2" diameter bar stock or 1/8" thick 2" width flat strap. Stock must not exceed 4" in length and be placed no closer than 12" from adjoining filler stock. Driver's door may be vertically welded solid from the window opening down to the door bottom. Horizontal door bottom must conform to above restrictions. Trunk lids may be welded every 4" in length every 12" inches of seam, 2 sticks of all thread may be placed in place of the body mount and run from the frame in existing bolt hole up through the deck lid, using 1" inch all thread Store bought 1" inch washers and nuts, 2 4X4 square plate per stick of all thread 1 maybe placed on top of deck lid and 1 on bottom side of the frame no welding on plates!, 4 nuts max and may run through trunk lid, **Absolutely no welding or cutting of all thread, all thread must be straight no bends.** Trunk lids may be welded, chained, all threaded, or all 3. All trunks must have a 6"X6" in inspection hole cut in the middle of the lid,

6) Radiators and engines must be left in stock location. Radiators may use two 1" ratchet straps or 1" Flat strap 2 flat strap maximum may be used with 3/8 bolt, washer, nut, Motor mounts may be welded or modified lower engine cradle may be used. Transmission mounts maybe welded and modified, transmission brace may be used. **Air Cleaners are mandatory for all cars.**

7) A (4 bar cage) 2" minimum, 6" maximum diameter spreader bar is required behind the driver's seat. It shall be placed 18" up from the floor on the door post joining driver and passenger door posts. Securing plate for the bar shall not exceed 8" square and have a maximum thickness of 1/4in. An optional bar may be placed from **the** rear spreader bar across the drivers' door opening to the floor. A horizontal bar may be installed across the dash area to facilitate switches and mounting for the steering wheel. The bar shall not exceed 4" diameter 1/4" wall thickness material and shall be attached with a maximum 2"X 4" plate of 1/4" thick plate. Another bar may be placed on the right side of the driver's seat just over the transmission tunnel. 1 bar may installed against the passenger side door and may be welled to spreader bar and dash bar (**welding to the door will not be allowed**) Halo bar may be installed, with two upright bars and one horizontal bar going a crossed the roof this bar may be welded or bolted to spreader bar, 2" minimum, 6" maximum diameter (**nothing going to the frame**)

8) **Driver must have a Fire Extinguisher at hands reach.**

9) Any OEM bumper may be used as long as front bumpers remain in front and rear bumpers remain in rear. Drivers have the option of welding of 5 MPH bumpers at the slip joint of the bumper. All 5

MPH will be drilled with minimum 1/4" hole to relieve any pressure inside. Bumpers may have a maximum of 2 bumper straps 1/8" thick 2" wide with 2" bow in strap used for bumper retention.

10) Only standard mud and snow or highway tread tires are allowed. 16" rim size maximum 10 ply load

Rating maximum. Valve stem protectors may installed on rims, full centers are allowed, **NO BEAD LOCKS ALLOWED!**

11) Sunroof must be screened with maximum 1"square wire with a minimum 20 gage wire thickness. Center divider of the windshield shall be 1/8" thick 2" width flat strap or equivalent and must be screened with maximum 1"square wire with a minimum 20 gage wire thickness on driver's side. Up to 2 rear window bars are optional.

12) At the time of registration, numbers (NO LETTERS) will be issued or picked by the driver. Numbers will be displayed on both sides and the roof of each car. Four numbers maximum will be at least 12" tall and visible from 100' away.

14) No alcohol or drugs are allowed in the pit area. This shall be grounds for immediate expulsion from the derby.

15) Pit area speed is restricted to **2 MPH** with **NO SPINNING** of tires allowed!

16) During each heat, only drivers of the heat, flagmen, fire personnel and judges are allowed in the arena.

17) All drivers must be at least 16 years old. All juveniles in the pit area must have written parental consent prior to entry.

18) Drivers must be fully dressed in long pants and short sleeve shirt minimum, wear crash helmets and seat belts. Shoulder straps are optional. Face shields or eye protection must be worn while driving.

19) Drivers furnish their own supplies, equipment and tools needed for repair.

20) No hitting of the driver's door is permitted and subject to disqualification (BLACK FLAGGED).

21) A 2 minute time limit will be used by the judges in determining disqualification of cars due to mechanical difficulties or failure to make contact with another contestant. After the first 2 minutes of a no hit between the last 2 cars, there will be a 30 second time limit. If no hit is scored within the 30 second time limit, the remaining cars will be black flagged and the third place contestant shall be named winner.

22) All black flagged cars shall have their flags displayed within 30 seconds of being disqualified. All disabled cars shall have 2 minutes to display their flags.

23) No intentional misuse of boundaries will be permitted.

24) First through third place from each heat will advance to the main and are not available to run consolation heat. Fourth through last place will be allowed to run in the consolation heat. First place from the consolation heat will advance to the final heat all others will be unable to race in the final.

25) Tow truck personnel must retrieve top 3 positions from each heat **prior** to other cars leaving the arena. **Failure to comply may result in disqualification.** Only approved towing vehicles will be permitted in the arena.

26) Driver is personally responsible for any willful or malicious damage caused at the Alien Motor Speedway. Removal of the cars and equipment after the derby will be the responsibility of the drivers or sponsors. Owners of parts or items left at the Alien Motor Speedway after 24 hours will be charged towing and cleaning fees of \$200.00 or take ownership of the vehicle.

27) Each entry will receive 2 pit passes. **Passes will be issued only after successful car check in. If a car does not pass and/or participate in the derby, no passes will be issued.** Extra pit passes can be purchased for \$25.00 each.

28) One support vehicle per contestant.

29) Items used for startup such as ether or WD-40, etc., will not be allowed inside of the car while in derby.

30) Powder puff sign-ups will be conducted after final heat, \$50.00 for any powder puff driver to compete.

Compacts will run after consolation heat this will be a 1 and done heat will pay 1, 2,3.

COMPACT RULES

OFFICIALS DISCRETION & DECISIONS ARE FINAL!

YOU WILL HAVE 2 CHANCES TO PASS INSPECTION!

IF YOU ARE NOT IN LINE OR DO NOT PASS BY END OF INSPECTION TIME, YOU MAY BE DISQUALIFIED!

VEHICLES MAY BE RE-INSPECTED AT ANYTIME BEFORE, DURING, OR AFTER THE SHOW!

GENERAL PREPARATION:

OTHER AFTERMARKET PARTS ALLOWED:

- TRANSMISSION SHIFTERS
- GAS & BRAKE PEDALS, COMBOS OK, DO NOT MOUNT IN ANY WAY TO STRENGTHEN CAR.
- TRANSMISSION/FUEL COOLERS MUST USE APPROVED LINES AND FITTINGS.
- ANY OFFICIALS CALL IS FINAL, IF NOT STATED ABOVE CALL FIRST BEFORE YOU DO IT!!!

BUILD TO THE RULES! Do not overbuild and expect to run. If your car is altered in any other way than what is specified in the rules, you may fail inspection and not be allowed to compete.

- Any passenger car, hatchback, or station wagon with a 4 or 6 cylinder engine with a stock wheelbase of 108" or less is allowed.
- 4WD/AWD cars must be altered to operate in 2-wheel drive only. You may choose either front or rear wheel drive.
- 4WD/AWD cars are to be built to the rules that pertain to the type of suspension on that car. (i.e. cars with front struts build to FWD rules, cars with front control arms build to RWD rules). If running a 4WD/AWD car, please contact officials with any questions or clarifications needed.

- All vehicles must exhibit the ability to stop at any time, if your brakes don't work, you will not compete.
- ALL garbage, glass, plastic, pot metal, wheel weights, and screws must be removed, including but not limited to, all outer hardware, door handles, lock cylinders, trim, moldings, screws and fiberglass. Nothing may remain in the bottom of the interior, doors, or trunk. All seats except driver seat and any flammable material must be removed from the entire car. All trailer hitches must be removed. This rule excludes safety padding for driver.
- NO STOCK FUEL TANKS ALLOWED, MUST BE REMOVED!!!! All cars must have a metal fuel cell mounted inside the car. EFI cars must use either OEM connections or double clamp all connections. Must use correct rated pressure fuel hose. Power switches for electric fuel pumps should be clearly marked and shown to officials. Safety is #1 priority here.
- All CARS MUST HAVE FULL CAGE, Including dash bar, door bars, seat bar, and Halo/Upright. Max 10"x 10" end plates. You may have no more than 4 down bars to the floor with end plates tacked to the floor with no more than three 1" tack welds per down bar. You are allowed and we encourage an extra door bar on each side towards the bottom of door between your down bars. Must have a minimum of one of the following:
 - (1) upright bar to the roof from the rear seat bar and must be bolted to roof.
 - Halo bar, from the rear seat or door bar, attached to roof of car with either welding or bolting in 3 spots.
- A gas tank protector may be added, it must be centered, Maximum 24" O.D. wide, must stay minimum of 4" from rear sheet metal, Rear sheet metal is defined as "where the back of the rear seat would be".
- Drivers seats must be securely bolted or welded to the floor. Bolts may NOT go through the frame rail/unibody.
- Seat belts are MANDATORY! Must be securely mounted with a working latch, NO tying together. 5-point Harnesses are allowed and must be safely secured.
- Batteries must be secured inside the car and must be covered, unless using a gel battery. Battery box must be made of metal and securely mounted to the floor. No bolts may be attached to, or go through, the frame rail/unibody.
- Doors, hood, and trunk must be welded a minimum of 4" on 3" off. Must use either ½" max diameter rolled or up to 3" x ¼" flat stock. Drivers door must be fully welded and may be reinforced with a bar or skinned, cannot extend more than 4" before and behind driver door seams. You may have a total of eight 3/8" x 3" bolts with 1" washers to use on hood cutouts.
- (2) front and (2) rear window bars are allowed. Front window bars may be mounted to, either the cowl sheet metal or the dash bar, and roof sheet metal only. all window bars must be 10" from window pillars. They may be welded or bolted, no more than 6" of weld or four 3/8" bolts per bar. Rear window bars must be mounted to roof sheet metal and speaker deck or within 4" of window seal. May be welded with maximum 6" weld or four 3/8" bolts per bar. Bars cannot be attached to trunk lid. Hatchback cars will be treated as a wagon and not allowed rear window bars for rear door is considered a trunk lid. Window bars may not be connected to halo bar.
- Trunk lid may be semi-canoed, creased, or tucked in the trunk. If tucked, trunk bolts may go through trunk lid, but trunk lid cannot be attached to the floor in any way. No wedging, trunk lid must be at least 12" off the highest point of trunk floor.
- Top of frame/unibody seam welding allowed, maximum 3/8" wide, one pass, with no added filler.
 - FWD: From the forward most part of the shock tower forward.
 - RWD: From the front of upper control arm forward.
- Core support All thread up to 1" allowed. Rubber bushing may be removed. (2) Trunk bolts up to 1" All thread allowed. Must go through trunk lid and trunk floor. May be welded to outside of frame rail but cannot go through frame rail/unibody. May be welded to outside of rail/unibody maximum 4".
- Sub-frame cars may have one wrap of 3/8" chain per side from frame rail/strut tower to sub frame. May be placed anywhere between firewall and core support.
- Five 3/8 bolts with 1" washers allowed per fender, directly over the tire.
- Body mounts may be changed with up to 1" bolts and rubber bushings removed. Must remain in stock location. Bolts cannot go through the frame.
- Body creasing is allowed.
- Radiators must remain in stock location. Aftermarket OEM size radiators allowed. No adding additional cooling capacity. May bypass radiator and loop hoses. Electric fans allowed. No spray foam fill!

ENGINE/TRANSMISSION/DRIVETRAIN:

- Any 4 or 6 cyl engine/transmission combination may be used.
- Carburetor and/or EFI swaps allowed.
- Lower engine cradles with header protectors allowed.

- a) FWD: Engine cradle must be bolted to engine only, not to transmission.
- b) Header protectors may be added and attached only to cradle. Must be a minimum of 4" away from core support and firewall.
- c) A pulley protector may be added, maximum 1/2" plate no taller than top of the frame rail. May include lower engine mount. Must be a minimum of 1" away from frame rail. You may weld lower mount the length of original footprint only.
- d) Stock upper mounts may be solid but must attach in original fashion and brackets. Cannot be attached to cradle or header protector.
- e) Transmission mounts may be solid. One wrap of chain around transmission and sub-frame allowed. f) Aftermarket or Slider CV axles allowed.
- g) Transaxles may be welded or spooled.
- h) RWD: Lower Engine cradle material maximum 1/2" plate. Must be bolted to engine only. i) Lower Pulley protectors allowed.
- j) May use aftermarket motor mounts. Must be mounted within 2 inches of original footprint. k) Small distributor protector allowed.
- l) No steel bells or transmission braces allowed.
- m) Transmission cross-member may be re-located to accommodate. May be bolted or welded in place, no added metal. Mount may be solid. One wrap of chain around transmission and cross-member allowed. n) Aftermarket or slider drivelines allowed.
- o) Any 5-lug passenger car OEM rear end may be used. Must remain original width and retain original wheelbase. No bracing.

BUMPERS:

1. Any non-loaded original passenger car bumpers allowed, except Chrysler pointy and/or homemade pointy. Or use a maximum 4"x 4" x 1/4" open ended square tube.
2. Cannot exceed past the center of each tire.
3. Chrome may be welded to inside beam.
4. Bumpers may not be loaded. Square bumpers must stay open ended.
5. 22" Maximum height to bottom of bumper.
6. Cars with crush boxes in front of radiator support may cut them off flush with radiator support.
7. 2 Front and 2 Rear bumper straps allowed. ONE of the following options may be used per bumper and none may attach to the bumper brackets in any way.
 - a. Use a Maximum 24"x 3"x 1/4" flat stock, may be welded up to 6" on the bumper and up to 6" to hood or core support. All thread may go through bumper strap.
 - b. Use 1 wrap of 3/8 chain per side, per bumper.
 - c. Fold hood over radiator support to bumper and attach with up to 12" of weld to bumper.
8. FWD: Either, weld your front bumper on existing brackets with no added fill, or, use (1) 23"x 4"x 1/4" flat plate per side. You may bend or cut and weld this bracket. Only 6" may be welded to the bumper, and up to 17" welded to the outside, top, or bottom of frame rail. No added filler. You may not weld or attach bumper or bracket to radiator support in any way. Nothing may be inside of the frame rails. Rear bumpers may be removed, welded with stock mounting brackets, or welded directly to the body. No added filler.
9. RWD: Either, weld your front bumper on existing brackets, bumper brackets and shock tubes must be what came from the factory on that car and remain stock, or, remove all and use (1) 23"x 4"x 1/4" flat plate per frame rail. You may bend or cut and weld this bracket. Only 6" may be welded to the bumper, and up to 17" welded to the outside, top, or bottom of frame rail. No added filler. You may not weld or attach bumper or bracket to radiator support in any way. Nothing may be inside of the frame rails. Rear bumpers may be removed or welded with stock mounting brackets. No added filler.

WHEELS/TIRES/SUSPENSION AND STEERING:

1. Only Air may be used to fill tires. You must start with a stock wheel, no bead locks or full centers, you may have a 2" rim guard on the exterior lip only. Small wheel centers can used, no bigger than 8". Valve stem protectors are allowed. All wheel weights must be removed. FWD cars may use forklift style solid or air-filled tire/wheel combos on rear only.

2. STEERING: Aftermarket steering columns and tie rods allowed.
3. FWD: FRONT SUSPENSION:
 - a. May be solid. Aftermarket or homemade struts are allowed but must retain original mounting. Aftermarket ball joints allowed. A maximum 2"x 3"x 4" long tube between the strut and unibody is allowed.
 - b. REAR SUSPENSION: May be solid but must retain stock mounting. Homemade rear axles or minivan axle swaps are allowed. Maximum material 2"x 2" x 1/4" square tube may be used to build axle and replace trailing arms. Must use only stock mounting locations, no added mounts, no welding to body. Must retain stock width and wheelbase.
4. RWD: FRONT SUSPENSION:
 - a. Shocks may be solid. Aftermarket ball joints allowed. You may use 2 of the following per upper control arm, either 3/8 chain or 3"x 3" x 1/4" plate to tie down control arm.
 - b. REAR SUSPENSION: Only stock for the car, or OEM replacement leaf springs and hardware allowed. Maximum (3) clamps per spring. Coil springs may be welded in place. One 3/8" hump chain per side. Single wrap can go around frame or from sheet metal directly over axle and around axle.

ANY QUESTION ON BUILDING OR QUESTION ON RULES CALL FIRST!

REPAIR PLATES FOR ALL CLASSES

REPAIR PLATES WILL BE ALLOWED AFTER HEATS ONLY YOU WILL BE ALLOWED 3 PLATES PER FRAME RAIL FOR A TOTAL OF 6 PLATE DIMENSION WILL BE 4"x6" 1/4INCH THICK PLATE, IF YOU CUT A PLATE YOU MAY ONLY USE 1 PIECE OF THE PLATE THE CUT SIDE MAY NOT BE USED, 6 PLATES TOTAL!

CONTACT INFO ABOUT DEMOLITION DERBY

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