

Desert Empire Motorsports Organization (DEMO)

2025 Destruction Derby Rules

Entry Information

1. All entry forms must be sent or delivered to Alexis Byrd, 1259 N. Everett Street, Ridgecrest Ca. 93555. Checks made payable to Desert Empire Fair and received no later than October 05, 2025. **NUMBERS WILL BE ASSIGNED AFTER ENTRY HAS BEEN RECEIVED. NO SAME NUMBER FOR THE SAME CLASS!**
2. Pre-Entry Fee is **FREE** before October 05, 2025, after October 05, 2025, entry fee is \$100.00. Entries are for CAR ONLY. Entry fee (if late) must be included with the entry form and filled out completely and legible. **ALL** Pit passes can be purchased for \$30.00 each at the pit gate on the day of event.

GENERAL INFORMATION

1. Drivers must be 16 years of age and having some form of Driver's License.
2. Cars must be at the check-in gate no later than 1:00 pm on race day for inspection, **NO EXCEPTION!!**
3. Children under 14 are not allowed in the pits, there is no exception!
4. All cars must be removed after the event (unless previously arranged with officials) they will become property of Desert Empire Motorsports Organization.
5. No speeding in the pit area. The speed limit is 5 MPH. NO passengers in derby cars during the race.
6. Management has the option to remove anything obscene or objectionable from any car entered. **No POLITICS Allowed!**
7. All decorations must be removed prior to racing.
8. Winning cars are subject to inspection after the races are over.
9. The ruling of the officials is final. Unsportsmanlike conduct will not be tolerated.
10. All drivers are responsible for cleaning their pit area.
11. Drivers' door must be painted a contrast color.
12. Anyone arguing with officials will be grounds for disqualification.
13. The drivers' meeting will be held after everyone has passed tech and cars are in impound.
14. Drivers are responsible for the actions of their crew members.
15. **IF IT IS NOT IN THE RULES PLEASE ASK BEFORE ASSUMING IT'S ALRIGHT (THERE IS NO GRAY AREA)!!!**

SAFETY INFORMATION (Mandatory)

1. All drivers must wear helmets, shoes, long sleeve shirts, gloves, and long pants (no shorts).
2. Driver door hits WILL NOT be tolerated. There is no intentional driver door hit. So, if you hit a driver's door you will be DISQUALIFIED from that class.
3. Drivers MUST remain in their vehicle throughout the event until the checkered flag flies with all SAFETY gear on!

TECH INFORMATION

1. All cars will be inspected between 10am and 2pm.
2. Decision of the officials is final in ALL cases.
3. After your car is inspected it will be impounded, ONLY the driver will be allowed in the impound area. You CANNOT work on your car in the impound area.
4. Cars not passing inspection will return to the pit area to fix any problems and return to inspection.
5. Only driver and one pit crew member in the tech area allowed. We don't need the entire crew.
6. If your car is not being teched YOU DO NOT NEED TO BE IN TECH!!
7. First car to pass tech on the first inspection will receive \$100.00.
8. IF IT IS NOT IN THE RULES PLEASE ASK BEFORE ASSUMING IT'S ALRIGHT!!!
9. Winning cars are subject to inspection after the races are over.
10. Hood must be open.

SCORING INFORMATION

1. No playing possum. You must keep moving and hitting with authority. Any car standing for 2 minutes without hitting will no longer be scored. The 2-minute hit rule will be enforced.
2. Anyone entering the scoring tower will be disqualified.
3. If you have a scoring issue please do not go to tower until derby is finished.

NO ALCOHOL IN THE PITS BEFORE OR DURING THE EVENT. YOU CANNOT HAVE A PIT WRISTBAND AND GET ALCOHOL FROM THE BEER BOOTHS! ANY DRIVER OR CREW MEMBER THAT IS CAUGHT DRINKING OR UNDER THE INFLUENCE OF DRUGS WILL BE IMMEDIATELY DISQUALIFIED AND ESCORTED OFF THE PROPERTY. THERE WILL BE A ZERO TOLERANCE FOR THIS!

General & Scoring Questions please call Alexis (760)793-2010
Tech Questions please call Billy (760)608-0564

Semi Weld Class Ridgecrest DEMO

Rules 2025

NO Imperials, Limousines, Convertibles, Lebarons,
Ambulances, or Hearses allowed. Please call if you have a question!

Nothing other than what is listed below is allowed!!!! Any frame pinning, plating, or welding is grounds for immediate disqualification without a chance to fix it. Do not push the GRAY area!

Aftermarket Derby Parts that will be allowed:

Transmission Cooler, Gas and Brake Pedals, Shifter, Steering column, Transmission Bell Housing, Drive Line, Drive Line Brake, Yokes, Gas Tank, Battery Box, half engine cradle, Body Spacers, Engine Mounts.

General Preparation:

1. All glass, plastic, stock gas tanks and pot metal must be removed. Nothing may remain in the bottom of the trunk or doors. The back seat must be removed. Station wagons must remove decking.
2. Mirrors, chrome, moldings, and anything flammable except driver's seat must be removed.
3. All trailer hitches and related parts must be removed.

Safety

1. The driver's seat must be bolted or welded securely to the floorboard.
2. Must have a functioning seat belt! Lap belt only is ok.
3. Pad inside bars around driver. A 3/8" thick plate can be put inside the driver's door only.
4. All cars MUST have a gas tank protector in some form or fashion in their car.
5. All drivers must have helmets, shoes, long sleeve shirts, gloves, and long pants (NO Shorts).
6. Fire extinguishers are mandatory in the car with original mounting bracket.

Cages

1. All Cage material must be no larger than 8" O.D. unless specified smaller by a specific rule. A square cage around
The driver is required and must only be welded to the A and B pillars. See diagram at the end for pictures.
2. Door Bars can be a max length of 68" long, this includes the seat and dash bar.

3. You may add 4 down bars in your place of choice maximum of 4" material. These bars may attach to the frame, must not angle in any direction, and can only be mounted to the door bars or seat bar at or behind the dash bar.
4. Dash Bar and center bar must be at least 3" off the tranny tunnel and dash bar 6" off firewall.
5. Halo bar above the roof or up bar is required. Halo must be made from at least 2"x2"x 1/4" material. No leaning bar back, must stay perpendicular with the frame.
6. Gas Tank Protector- Max 3" x 3" square bar, can't touch or be attached to anything but the back bar. It must be centered between the frame humps and the outside dimension cannot be more than 38" wide. The Bars must be more than 6" above floor. Must slide paper behind it for inspection. The gas tank protector may have its own halo but cannot be taller than the tank itself and may not be angled out the back window. It may have gussets but must gusset to tank protector only.
7. Mandatory 4-point minimum cage with halo bar. (Dash bar, driver side bar, passenger bar and behind seat bar)
8. NO FULL ROLL CAGES!!!

Body

1. Outer door seams must be welded shut. You can use 3"x 1/4" max strapping or 1/2" rebar for filler.
2. Hoods can be secured using: six lengths of chain or six locations of 5" long pieces of 2"x2" angle iron welded. back-to-back with a max of 2 bolts through them (any placement) NOT BOTH.
3. Hoods one inch all thread allowed. All thread can be welded to the top of frame at core support only. Rear thread can only be plate mounted at corner of hood and fender, not attached to frame.
4. Hood There must be a 12-inch hole cut in hood over carburetor for fire protection. No coverings of any kind over said opening.
5. Only Fenders and quarter panels can be creased with a hammer! Trunk lid must attach in stock location and can be dished or tucked but may not attach to trunk floor or inside of the quarters. Quarter panels and taillight panel must exist and need to remain upright. Quarters may not be cut to fold around the back. No wedges. Trunk lids can be chained with 6 chains or welded shut using 6 total 6" x 3" wide 1/4" thick straps. There must be a 10" diameter inspection hole in the center of the trunk lid. Trunk lid may have 90-degree bend into trunk area.
6. There must be 1 or 2 vertical windshield bars (2"x2"x39" max) or chain in the center of the windshield area welded from firewall to the roof. Rear window bars are max of 2 (2x2) and need to be 6" off of the pillars. Window bars can only attach to sheet metal or be attached to 3"x3"x1/4" landing plates that are welded to the sheet metal on the top and bottom. Plate and trunk strap may share the same weld. They can't be on top of the trunk lid or touch it in any way. Rear window bars can be attached to the halo except on wagons.

7. **No adding body bolts! Only stock locations can have bolts. Body spacers can be removed or replaced with 1" inch spacers and body bolts can be changed to ½" bolts, 3" washers and nuts can be used on top of body bolts. The front 2 and 2 in the trunk can be replaced with up to 1" all thread that runs up through or immediately next to the stock mounting holes, through the body and through the hood and trunk lid. It can be welded to the side of the frame or bolted on the bottom and top of the frame. 5" plates on all thread max.**
8. **NO seam welding unless stated** of any kind!!!!!! (frame or body) No welding created seams.
9. **A triangle with your number on it must be attached to the roof 18x18x18 inch minimum and 24' x 24' x 24' max size. It must be easy to read your number from 200 feet away. TEST IT!**
10. **Firewall all holes in firewall and the floor must be covered with metal or non-flammable material.**

Bumpers

The intention of this rule is to allow you to mount the bumpers in such a way that they are less likely to fall off. Upon inspection if it is determined that you have exceeded the intention of this rule you will be given a chance to correct it. If not corrected, you will be disqualified.

1. **No loaded bumpers of any kind and they cannot go on top of the frame, must remain in front. No shelving.**
2. **Tube bumpers are allowed, Max size is 5"x5"x1/4" or 6"x 4" x 1/4". It must be straight and cannot have a point added. The ends can't stick out more than 10" past the frame and have holes in the ends for inspection.**
3. **Bumper height max is 20" from ground to lowest point. Bumper skins can be hammered down and welded.**
4. **Front bumper: You can weld two 2" wide x 1/4" thick x 14" long straps from bumper to core support. 1" all thread can run through them.**
5. **Rear bumper: You can weld two 2" wide x 1/4" thick x 14" long from bumper to trunk lid. The 1" all thread can run through it.**
6. **Two chains must be secured from the front of the hood to the core support. The hood can be chained to bumper. One loops minimum. NO wrapping of the chains.**
7. **Mounting the bumper: no other way than what is listed below!**
 - **Stock to the car bumper brackets and shock tubes must stay in the stock locations and may be welded to the front 10" of the frame only. Compression shocks can be collapsed and welded together. (Hard nosing is allowed)**

Frame

1. **No buffing, grinding, packing, cutting, bending, or welding the frame other than what is specifically stated in the rules. Do not prebend the frame or the body.**

2. 80's and newer cars can tilt the front frame rails down at the fire wall seams only, no added metal.
3. You may notch and dimple any frame behind the rear frame humps only! No frame seam welding of any kind!
4. Two plates per side of frame 4" X 6" X 1/4" plates. Extra plates need to be cleared by tech.
5. Y frame cars can close Y's and utilize rules. No frame trimming past core support, and no moving core support.
6. No Frame Pinning!

Drive Train

1. You can use aftermarket motor mounts and a lower cradle to hold in the motor. If using the stock upper and lower motor mounts, you may use 4 chains from motor to frame. The chains cannot go more than 4" past the manifolds. May weld 1 link.
2. Transmission cross members can be stock or 2"x2" O.D. straight square tubing.
3. Headers through the hood are highly recommended. You also need to cut a hole big enough to get a fire extinguisher into the hood over the motor.
4. Half cradles and Transmission cages allowed, no fully braced or wrapped transmission armor. Two head straps allowed total. Head straps cannot be forward or rearward of the head. Welded to the frame only, no plate on frame, maximum 1" material.
5. Transmission coolers are allowed, if mounted inside the driver's compartment, transmission cooler must be covered.
6. Distributor protection is allowed but no welding.
7. MANDATORY: Paint drive line white!

Rear Ends

1. 3/4 Ton rear end Maximum. Braced rear ends allowed. (drive line brakes do not count as bracing but beware that the mounting doesn't turn into bracing, or you'll cut it all off)
2. Hybrid rear ends allowed (putting Chevy into Ford or vice versa). Must use OEM factory brackets on rear-ends. Gears can be changed or welded.
3. No REINFORCING of rear end housing!

Suspension and Steering

1. You may swap trailing arms or shorten the upper control arms by cutting and welding with minimal overlap. **No plating or reinforcing of control arms at all!**
2. Rear end suspension must remain working! It can't be locked in any way. No changing leaf springs, you must run what came on the car. You can weld or bolt coil springs to the rear end side only.

3. **Front suspension and steering must be factory for a car in this class. Swapping around from model to model is ok but no fabrication or reinforcing is permitted. Upper a-arms can be welded down by using two 2" wide by ¼" thick by 8" long straps per side. None of the straps can be outside of the a-arm shaft footprint. Ball joints must remain stock or stock replacement and bolted in, no welding. No Ski, Joker, Wicked, NLR or any other derby purpose-built ball joints will be permitted. The OEM replacement junk from the parts store is what is permitted when replacing steering and suspension components. Steering components including tie rods must remain stock to a car in the class. You can brace the tie rods with 1"x1" angle iron.**
4. **Homemade steering columns are allowed but must use an OEM stock to a car in the class steering box.**

Cooling

1. **You must use the stock radiator mounting position. Radiators can be switched out to aluminum racing style but must be as close to stock size as possible. Radiators can be removed, and the hoses looped.**
2. **Radiator can only be attached to the core support using metal straps, wire or a few 1" welds.**
3. **You may use a condenser or thin expanded metal to protect the radiator, but it can only be attached to the core support. No sewer grates.**
4. **Transmission coolers are allowed. If in the drivers' compartment, they must be mounted in a safe manner.**

Fuel

1. **The original gas tank MUST be removed. Stock automotive tanks, racing fuel cells, and marine fuel cells are allowed. Approved fuel tank must be installed in rear passenger seat area. Tank must be secured to floor with no less than 4 straps, 4 chains, or 4 bolts. A properly fitting gas cap must be used (NO RAGS). No rope, plumbers' tape, bungee cords, ratchet straps, or duct tape. No "plastic filler type" paint or solvent cans allowed. No 5-gallon jeep or jerry cans. Make sure your tank does not come loose and will not leak.**
2. **No fuel additives of ANY KIND!**
3. **Any pump gas or E85 can be used.**
4. **Fuel lines can be run under the body or inside. If inside they must be doubled to keep fuel from leaking into the drivers' area. If you use an electric pump, please let us know how to kill it or we'll just rip the wires out of it.**
5. **Fuel protector optional may not be connected to anything but 4-point cage.**
6. **Fuel tank door must be removed.**

Batteries

1. **Batteries must be secured inside the car and covered unless using a gel style battery.**

2. **Max 2 batteries, Battery boxes must be metal and bolted to the floor. No ratchet straps.**

Tires and Brakes

1. **You can also weld valve stem protectors. No other rim welding allowed. No studded or foam filled tires allowed.**
2. **Any air-filled tire may be used. No solid forklift styles. You may put tubes in them.**
3. **All cars must show the ability to stop before entering the arena and tech!**
4. **Drive line brakes will be allowed if you can show that it stops the car.**
5. **Covered narrowed wheels, and bead protectors allowed.**

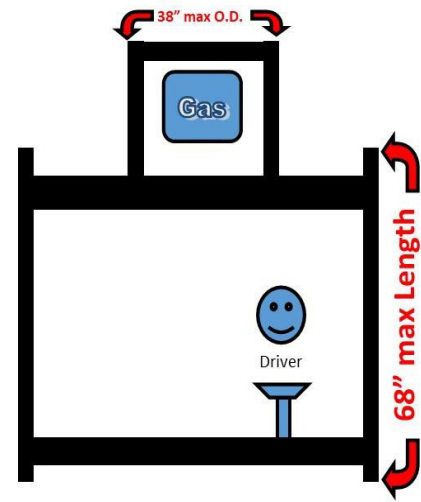
Pre-Ran Cars

1. **Frames may be pulled straight, and cracks welded with permission.**
2. **Pre run cars need to be exactly that. Bump and grind in the parking lot is not a pre run. We all know what it is. If we feel it is not a legitimate pre-run it won't run.**

Most Important

1. **DO NOT OVERBUILD!!!**
2. **Vacuum all debris from the bottom of doors and trunk. Cars must have no spiders or spider webs on or in them!**
3. **Be a good sportsman and have fun.**
4. **All drivers' doors must be painted a CONTRAST color. No numbers or writing aloud on the driver's door. This is to identify the driver side of the car, and to help prevent a hit to the door. Driver side numbers are to be located behind the driver's door. Numbers must be 24 inches tall by 6 inches thick, they must be brightly colored and easy to read from 200 feet away.**
5. **A triangle with your number on it must be attached to the roof 18x18x18 inch minimum and 24x24x24 max size. It must be easy to read your number from 200 feet away. TEST IT!**
6. **No alcohol or starting fluid allowed or tolerated.**
7. **You must have a 24" X 24" escape hole in the roof above the driver seat. The edges must be covered with rubber hose or something similar no sharp edges!**

Cage Design



Halo example

