

LODI FFA ALUMNI
2021 DEMO DERBY RULES
Saturday August 14, 2021

Registration: 11:00am-4:30pm

Drivers Meeting: 5:30pm

Powerwheels & Derby: 6:00pm

\$9,000.00 total payout

Questions? Contact Ultimate Impact Derby Promotions

Layne Buelow (608) 415-2518 Brandin Herritz (608) 434-4317

Parking in the pits: Truck, trailer and derby vehicle only. No additional vehicles will be allowed. Additional vehicles not conforming to this rule will be asked to leave pit area. If vehicle owner refuses the vehicle will be towed at the owner's expense. If you **Do Not** have a wrist band by 6pm you will be asked to leave.

CONTESTENTS:

1. All contestants must be 18 years of age or older. Entrants 16-18 years of age will be accepted with notarized approval from parent or guardian.
2. You may register more than one vehicle in separate classes with paid entry per class.
3. Entry fees are as follows and include entry fee and pit pass for driver. \$20.00 late fee after 5:00pm.

- a. Pure Stock Comp/Mids: \$40.00
- b. Mild Compact Cars: \$50.00
- c. Mild Midsize Cars: \$60.00
- d. Compact Trucks/Mini Vans/SUV: \$50.00
- e. Semi Stock Full Size: \$60.00
- f. Slam Trucks: \$60.00
- g. Powerwheels

Multiple Entries: Discount Additional pit passes \$20.00

****All persons in the pit will be required to sign a liability waiver for themselves. ABSOLUTLY NO KIDS in the pit area under 16 years of age**

4. ABSOLUTELY NO alcoholic beverages will be allowed to be brought onto the fairground pit area. All vehicles will be checked.
5. Any driver judged inebriated will be disqualified with no refund.
6. The fair association will not be responsible for any vehicles or its components left on the fairgrounds. Any vehicle left on the grounds after the event will be removed at the owner's expense.

INSPECTION OF VEHICLES:

1. All vehicles will be inspected upon entrance to the grounds and are subject to inspection at any time without notice.
2. Upon entering the grounds, all cars must have open hood. They must have a visible hole in the trunk so the inside may be inspected.
3. Vehicles which do not conform to stated rules will have until the close of registration to correct the problems and be re-inspected in order to get an indicator.
4. All vehicles MUST have an inspection hole in the frame. We WILL be scoping. If you choose not to have a hole or make a hole you will load
5. BRAKES: Must be functioning at the beginning of all events

6. Vehicles are subject to re-inspection before any winnings will be handed out.

7. **Official's decisions are final.**

COMPETITION:

1. ALL drivers must wear a secured DOT approved seat belt or 4/5 point racing belt with single release.
2. Competition will start from a dead stop. Contestants may operate in any direction within the prescribed boundaries.
3. Any type of collision is legal; however, it is encouraged to avoid striking any opponent in the driver's door. The driver's door **MUST** be a bright color.
4. The driver's door may not be used as a shield. It will cause disqualification.
5. Drivers are given 1 minute for restart, 1 minute if hung up, and 1 minute to make an aggressive hit. Aggressive hits **MUST** be made every minute or drivers will be subject to disqualification.
6. Drivers playing possum, sandbagging, or holding will be signaled to get under way. Failure to comply in 30 seconds will result in disqualification.
7. No cars that become hung up on each other will be separated.
8. The last car that made a hit will be the winner. In the event 2 or more cars simultaneously demolish each other or become hung up on each other, the car that made the last aggressive hit will be declared the winner.
9. Decisions of the officials are final. We are human and cannot make everyone happy. We cannot see everything; however we will do our best.
10. If you break your stick, you must remain in your seat and have your helmet on until the end of the event.

GENERAL RULES:

1. No persons will be allowed to cross over the orange fence that separates the track from the pit area. This means pit crew and any other members with the driver. If this happens, the driver will be disqualified, with no refund, and will lose any winnings.
2. Any controversies will be taken up at the drivers meeting.
3. No Hot-Roding in the pit area. This includes the haulers as well. The driver will be disqualified, with no refund, and will lose any winnings.
4. Any driver or crewmember not complying with any one of the rules will cause the driver to be disqualified, with no refund, and will lose any winnings. Crewmembers are the responsibility of the driver.
5. **NO REFUND AFTER DERBY STARTS.**
6. **IF IT DOES NOT SAY IT IN THE RULES, DO NOT ASSUME. IF ANYTHING SEEMS IN THE GREY AREA, CALL**

Mild Compact and Mild Midsize (Separate Classes): Payout: (10) minimum 100%, (7) to (9) cars 75%, (4) to (6) cars 50%

Compacts

1st place: \$850.00 and trophy

2nd place: \$500.00 and trophy

3rd place: \$300.00 and trophy

Midsize

1st place: \$850.00 and trophy

2nd place: \$500.00 and trophy

3rd place: \$300.00 and trophy

****Depending on the number of registrants, we may run heats at the official's decision, so bring spare parts. ****

Compact and Midsize will run the same rules with exception to wheel base. This includes foreign or domestic auto or station wagons. No four wheel drive vehicles allowed unless drive train is altered to make it two wheel drive. Class determination for compact class will be up to 104.5" and 4 cylinders only. Midsize class determination will be 104.5" and above, 4 or 6 cylinder.

- 1. GAS TANKS/GAS:** A metal gas tank or fuel cell (6 gallon maximum capacity) is required. Gas tanks are to be securely fastened and mounted behind driver's seat. Gas tank protectors will be allowed, consisting of a single loop directly around tank off of rear seat bar, 24"x24" max and stop before the trunk and can not be in contact or mounted to the body in any way. No kickers from protector to door bars or halo bars All fuel lines must be run inside the car. Metal Tank must be securely fastened. Gas spillage will result in disqualification. . Electric fuel pumps must have an emergency shut off and must be maed and highly noticeable
- 2. BATTERIES:** (2) Automotive or (1) large truck style battery allowed. Must be mounted securely in passenger side front of vehicle.
- 3. RADIATORS/TRANSMISSION COOLERS:** Radiators must remain in stock location. NO ANTI-FREEZE will be allowed in the radiator. WATER only. Expanded metal or similar radiator protectors are allowed but may not be wider than the radiator and may be mounted to the core support only. You may have an auxiliary transmission cooler mounted to the passenger side floorboard. Transmission cooler must be no larger than 24"x24"x18" or may loop off lines.
- 4. WINDSHIELD/REAR WINDOW:** Must be removed and two vertical steel bars or chain must be run from roof to the car body (not hood) in front of the driver. NO #9 wire in any windows. **MUST HAVE A REAR WINDOW BAR OR CHAIN FROM TOP OF ROOF ONLY TO SPEAKER DECK/TRUNK.** If using a bar it can only be 50% to trunk and 50% to speaker deck, and must not connect and be a minimum of 8" from rollover bar. Mounting plate can be 6x6 and may be welded or bolted.
- 5. FRONT BUMPERS:** (NO Chrysler pointy's) Automotive bumper or 4x4x1/4" steel tubing or 2x6x1/4" steel tubing may be used. Homemade bumpers allowed but **MUST** be similar to a 74 Chevy bumper no axe points and must be spread out. You will be asked to cut if we feel it's to much of a point. You may stuff or plate automotive bumpers only. Bumpers may not exceed width of fenders. Bumpers can be welded or bolted to car using factory brackets or directly to frame/car. Stock bumper shock or tubing may not exceed 8" we will measure from back of bumper. If you have more than 8" plan on cutting. **MUST** use (2) 2"x 1/4" straps or chains to go from core support to bumper. There must be a hole in the frame to ensure the 8" rule is followed. If there is no hole, we will require you to make one. Bumper height can be a maximum of 21" min.15".
- 6. REAR BUMPERS:** Must be stock to car only or removed.
- 7. DOORS** May be secured with a maximum (2) spots per door seam using the following: wire, cable, chain, or 6"x3"x3/8" plate welded per door. Driver's door may be welded all the way around. No chain, wire or welding on inside of doors. Wire, chain and cable 36" maximum.
- 8. HOODS:** Maximum (6) of the following items may be used to secure hood: wire, chain or up to 1" threaded rod, or other small angle irons. Only (2) may extend to the frame and can be bolted though the frame or welded to the frame with one 6" weld on each side of the rod. **CANNOT** sleeve threaded rod. All others must be sheet metal to sheet metal. Rod may not stick out of hood more than 6". Plates to hold hood down can be a maximum of 6x6x1/2". Hoods must have a 12"x12" hole for fire suppression. You may use up to (15) 3/8" bolts in hood webbing when cutting fire hole or header clearances.
- 9. TRUNKS:** Maximum (6) of the following items may be used to secure trunk lid: wire, cable, chain, up to 1" threaded rod or 6"x3"x 3/8" plate. **ONLY** (2) items may connect to frame, others must be sheet metal to sheet metal. Rods may go through mount or be welded vertically to frame with no more than 6" of weld. Top plates for rods cannot exceed 6"x6"x3/8" in size. Do not exceed 4" round or square for plates under trunk to secure if bolting in rods. Threaded rods must remain vertical from frame to truck lid. No seam welded Period!!! There must be a way for us to see inside trunk for inspection. Trunks cannot create a ramp effect. You may tuck/wedge but must remain 50% in stock location although tail light panel must remain vertical.

10. CAGE: Maximum of a (4) point cage allowed- Consisting of a dash bar, a seat bar, and driver and passenger door bars. Door bars may not extend more than 6" past middle door post. May run 4 down bars straight down and bolted to floor only. Cage may be bolted or welded in. Bar diameters minimum of 2" maximum of 6" with a minimum of ¼" thickness. Rollover bars are legal but can only be mounted to rear seat bar. Rollover bars may be bolted to roof only near center of the roof with a maximum of (2) 3/8" bolts.
11. INTERIOR: Absolutely no welding of any interior seams in any class. Driver's seat must be securely mounted. Vehicles MUST be clean and free of glass, dirt, debris and loose objects.
12. SUSPENSION AND STEERING: Tie rods, upper and lower control arms may be reinforced but must remain operational. You may weld or clap struts but must meet height requirements. No homemade struts
13. TIRES AND WHEELS: May use valve stem protectors and rim braces. No bead locks. May use implement and fork lift tires double stuffed is ok. Must meet bumper height.
14. PRE-RAN/FRESH CARS: All repairs to pre-ran/fresh cars must be approved by officials CALL FIRST
15. LEAF SPRUNG CARS: (4) clamps; (2) in front of axle and (2) behind the axle per spring pack. Made of 1-1/2"x1/4" with (2) 3/8" bolts. Since we allow rear control arms to be reinforced, and to be fair, we believe this was fair for leaf cars.
16. FENDERS: May run (5) 3/8" bolts per fender. Creasing is allowed
17. NO engine cradles or pulley protectors. Carb and header protectors are allowed but MUST be engine mounted only. Header protector must have a 2' gap between protector and fire wall.

Pure Stock Compact and Midsize (Run Together): Payout: (8) minimum 100%, (6) to (7) cars 75%, (4) to (5) cars 50%

- 1st place: \$500.00 and trophy
 2nd place: \$300.00 and trophy
 3rd Place: \$100.00 and trophy

NO WELDING IN THIS CLASS UNLESS STATED BELOW This is a simple build. Strip, Chain, Run.

1. May run 4 or 6 cylinder engine. No carb conversions or after market shifters
2. DOORS: Driver's door may be welded solid. All other doors may be chained in 2 spots per seam.
3. HOODS: No rod or plates. You may chain or 9 wire in (6) spots.
4. TRUNKS: No rod or plates. You may chain or 9 wire in (6) spots. No dishing. Must remain stock. May be pre-bent up. Lid/hatch can be removed.
5. BODY: No body creasing.
6. FRAME: All factory bolts and mounts must remain stock. No stuffing of frame or added metal. No full frame vehicles.
7. BUMPERS: Front bumper must remain stock to car. No exceptions. Rear bumper must be stock to the car or removed. Bumpers may be chained only in (2) spots.
8. CAGE: You may run a (4) point cage. May be welded or bolted in. No down bars or kickers allowed. Rear seat bar is MANDATORY if you choose to not run a (4) point cage. A simple tank protector off of rear seat bar is okay.
9. SUSPENSION: Must remain stock and functional. No altering parts or height.
10. TIRES: Must be DOT. No implement or fork lift tires. May be tubed and/or flapped. Stock style rims. No weld in centers or braces. Valve stem protectors are okay.
11. WINDSHIELD/REAR WINDOW: Must be removed and two vertical steel bars or chain must be run from roof to the car body (not hood) in front of the driver. NO #9 wire in any windows. No rear window bars allowed.

Compact Trucks/Mini-Vans/SUV: Payout: (8) minimum 100%, (6) to (7) trucks/vans 75%, (4) to (5) trucks/vans 50%

1st place: \$600.00 and trophy

2nd place: \$300.00 and trophy

3rd Place: \$100.00 and trophy

1. 4 wheel and 2 wheel trucks and suv allowed. 4 wheel drive vehicles must remove one drive shaft.
2. ENGINE/TRANSMISSION: May run any engine/transmission 4, 6 or 8 cylinder. Distributor protectors, transmission braces and minor lower engine cradles are allowed.
3. RADIATORS Must be in stock location. No homemade radiators. Radiator protectors allowed but no wider than radiator. Mesh or expanded metal type material, ¼” max. Four 3/8 bolts to fasten max. No welding. No radi barrels
4. CAB/ BOXES: You may weld box to cab outside only (2) 8 inch straps per side. Body bolts ¾” max, 6”x 6” washers in stock mount locations. You may add 4 extra body bolts in the box and 2 in the cab , they may be up to ¾ bolt welded only vertical to the frame . Box must remain upright in stock location, no tucking.
5. DOORS: Driver’s door may be welded secure. All others may be chained, wired 2 spots per seam, or welded 5 on 5 off max ¼”x3” inch wide Strap. Mini vans please weld your large doors if able.
6. CAGE: Dash bar, rear seat bar, and door bars are highly recommended. 4 down bars, 2 per side, vertically to floor only, may be used. Dash bar must be 6 inches from trans hump.
7. TAILGATE AND HATCHES: May chain or cable, in (2) places per side or weld (2) 2”x6”x3/8” strap per side. Tailgates must remain in factory position.
8. SUSPENSION: You may clamp springs, 4 per side. Clamp size, 7/16 bolts, 3/8 max thick, 5”Length material. No Homemade springs. May strengthen tie rods, or use aftermarket tie rods.
9. BUMPERS: You may change front bumper to a car type, tube or pipe. 3x 4x 3/8” May be bolted on with a factory automotive or truck bracket. Or you may weld to the bumper to the frame. Nothing welded past 4 inches from the front of the frame. No Chrysler pointy’s. Homemade bumpers allowed but **MUST** be similar to a 74 Chevy bumper no axe points must be spread out. Rear bumper must be an automotive bumper, 3x3 square tube max, or no bumper. All bumpers must have (2) chains or straps securing bumper to vehicle. Bumper height maximum 25” min 15”
10. HOODS: May have 6 hold downs. May use up to 1” rod, chain, wire, or angle iron. Only 2 can connect to frame, rest sheet metal to sheet metal. Rod must be welded vertically.
11. FUEL: Fuel cell is highly recommended in a steel box. This is to be located in the most forward center of box or inside of cab. Gas line to be run in a protective conduit.
12. BATTERIES 1. Two max, must be covered or in a box. All battery boxes and fuel cells must be mounted.
11. TIRES: Any ply tire allowed, stuffed, skid, ag ok, small Uni-lug wheel centers ok.
12. REAR ENDS: Stock or car rear ends only. Simple brace, pinion brake and slider drive shafts may be used.
13. FRAME: (2) 4x4x1/4” plates may be used per side. Plates cannot be touching. No other welding on frame.
14. PRE-RAN/FRESH CARS: All repairs to pre-ran/fresh vehicles must be approved by officials CALL FIRST

Semi Stock Full Size: Payout: (10) minimum 100%, (7) to (9) cars 75%, (4) to (6) cars 50%

1st place: \$1000.00 and trophy

2nd place: \$600.00 and trophy

3rd place: \$300.00 and trophy

NO IMPERIALS, SUICIDE LINCOLN

1. Remove all glass, chrome, plastic, moldings, headliner, flammable material, A/C coolant, antifreeze, trailer hitches and interior decorating

2. Stock gas tank must be removed. A small metal tank must be mounted in the rear seat area. The tank must be very secure and covered. Use proper rated fuel lines, Plastic tanks must be in a metal box. **NO EXCEPTIONS**
3. Electric fuel pump allowed but switch must be clearly marked on/off.
4. No more than (2) batteries allowed which must be relocated to front passenger floor, secured and covered.
5. Floor shifter allowed. Ignition and wiring modifications (hotwire) allowed.
6. Hood must have 12" x 12" minimum hole to easily extinguish fires. Extra hole(s) in hood not required if header holes are least 12" x 12".
7. Car and driver qualify as a team for the feature.
8. After market steering columns allowed.

Bumpers:

NO CHRYSER NEW YORKERS OR IMPERIALS BUMPERS ALLOWED. You may weld car bumper to the frame. Homemade bumpers allowed but **MUST** be similar to a 74 Chevy bumper no ax points must be spread out. 1/2" pass around bumper to frame or shock. If your car comes with shocks you may weld them. You may weld bumper brackets lightly in stock position do not slide back. Shock cannot go any farther back in frame then 8 inches from where you had nose bumper. Use 2 chains or wire from core support to bumper one per side to hold bumper on. Or a 6-inch piece of 1/4 flat stock 2 inch wide. (Refer to frame section on shorting rule.)

Body Mounts and bolts

You must have a rubber base mount example hockey puck or stock mount (metal cones in place) stock thickness between the body and frame. If you have damage or a broken bolt, you may change them. Keep bolts to no larger than 1/2 bolt size. If you cut bolts out 3-inch washer max on top of body and one side of frame only, first and last body bolt does not need rubber mount in place.

EXTRA BOLTS Fenders may have up to 3 3/8 bolts per fender, you may have up to 6 3/8 bolts per cut out hole in hood

HOOD

You must have open for inspection.

After you pass inspection, you may wire, chain or bolt your hood in 6 spots

Bolts 1 inch MAX two may go to frame the other sheet metal to sheet metal the two that go to frame must be in stock position 1 one inch weld on each side of rod are allowed. You may weld washers to sheet metal for wire. No more than a 6-inch spacer 3x3 max, no welding of any kind on spacer must be between top frame and bottom of core support.

TRUNK

4 spots; 3/8 chain max, One chain per hole or 4 strands of 9 gauge wire per hole or bolt.

Nothing may go around the bumper or frame. Sheet metal to sheet metal. You may weld washer on fender, hood, trunk for wire. Bolts 1 inch max 2 may go to frame the other 2 sheet metal to sheet metal you may weld the 2 to the frame vertical only.

12x12 inspection hole is mandatory on floor or trunk lid unless you do open trunk inspection.

50% percent of trunk lid can be 90'd ***** no dish*******NO POUNDING ON STOCK 50 PERCENT**

DOORS:

Doors must be chained, bolted, welded or wired shut in one spot per door seam. You may run 1 additional chain or wire around window frame. 3/8 chain or 3 strands of 9-gauge wire per spot. Driver's door may be Wired for safety or welded solid. If you choose to weld the other three doors 6 inches of total weld per seam period window frame is separate seam.

FRAMES

Frames must be stock if your car of choice has a front upward pitch it must have a upward pitch In this class. No tipping, cold bending, pressure whatever. If your frame is altered you will Put it back to that state or not run. You may shorten frame on 80 and newer Lincolns and mercury's up to the weld of the most front of body bolt tab were its welded to frame.

SAFETY BARS

You may run a dash bar and a seat bar they may be connected you may only have 4 down legs are allowed 2 off back seat bar the other 2 can be off door bars behind rear most part off firewall seam were doors and firewall meet. You may also weld a plate on the driver's door 2" past door seam; 1/4 max thick; 12" tall. One chain can go from seat bar or dash bar to body only. Roll bar recommended off back seat bar only must be in the middle of roof vertical only no angle to rear of car. Please bolt to roof in 2 places. Back seat bar must be within 8 inches of the back of the driver's seat. 6 inches of seat on 2 doors. Down legs to body only. Fuel cell box or protector or cage must be 4 inches away from anything behind it and 3 inches off floor. 4x4 max material. Door bars 60 inches max must be at least 6 inches from wheel well.

REAR-ENDS

You may run a 5 lug car type rear-end, NO truck rear-ends except a simple 9 inch.

9 inch are allowed weld on perches that's it. Due to shortage of axles you may buy aftermarket axles, 33 spline max

You may have a simple braced rear end nothing extreme. Cannot be placed to strengthen frame.

SUSPENSION

Stock A arms lower and upper to make. You may run up to one 3/8 chain in rear per side to rear to frame single layer only bolt or weld one link. You may bolt, chain or weld a 1 inch strap one on each side of front A arm. On spring bucket only. Straps on top or bottom not both.

Front upper and lower A arm, steering boxes **MUST** be stock ford to ford gm to gm Mopar to Mopar. No truck parts. You may interchange tie rods as long as their car type and stock no welding. You may interchange car type spindles direct bolt on only.

No threaded rod or bolts may be used to replace ball joints. No screw in ball joints unless factory with that make and model car.[example Chrysler] No welding ball joints direct bolt on car type only.

Car spindles may be interchanged with other car spindles no truck or aftermarket spindles.

Height of 21" max 15"min

RADIATORS

Stock or Aluminum only. No protectors. you may put a 1/4 mesh in front of radiator 2 inches wider than the hole in front of radiator or air condenser unit.

ENGINE & DRIVETRAIN: Transmission must be a factory Aluminum stock trans or this aftermarket aluminum bell J.W. 92451 TH400 Th400 Bell housing you may only connect bell to pump bolts only. No other bell is allowed. All rules apply below.

Tran's coolers allowed, lines must be safely protected, no bigger than 2-inch max tubing 1/4 wall for cross member. 3-inch channel. Do not pressure your transmission into tunnel there must be a significant space [1 inch or more] between your trans and tunnel. Do not design anything off your trans to catch cross member.

Stock bolt size for transmission mount 7/16.

Motors may be swapped, example: Ford to Chevy. Stock type driveshaft or Slider driveshaft allowed you may weld stock driveshaft

Basic Lower cradle may be used no pulley protectors.

TIRES

No ply restriction; 30" max height double tires allowed, fork lift and skid steer tires allowed.

You may run any rim with full center up to a 1-inch bead protector allowed no tire sidewall protectors allowed.

NO GRANDFATHERED CARS PERIOD ALLOWED UNLESS THEY PASS RULES ABOVE

REPAIRS

This will be followed very close. IF your frame is ripped or severely kinked you may due the following below any less than a kink or tear fire up the torch no exceptions.

Ford products along with GM 77 and older old iron may use up to 3 inch by 4-inch 1/4 flat max in the front the same on back section of frame. Drivers side passenger side.

77 and newer metric gms and Chryslers may have a 3 inch by 6 inch on front frame section and the same on back section.

O3 and newer fords Must run all stock rack n pinion and all other stock components in the front. You may run aftermarket steering column. You will be allowed a ****SMALL**** mounting plate for your motor must call.

You may weld mount lightly to frame between the factory cradle bolt holes. Follow ball joint rules under ball joints.

1998 AND NEWER FORDS you may bolt a upper control arm bracket to the package tray with 4 3/8 bolts or 4 one inch welds. Max size of this bracket is 5x5. Lower control arms must be in the stock spot on frame same place as a 97 and older also must be a stock bracket off a older ford or light material same size and length you may weld it lightly. STOCK CONTROL ARMS no tubing NO welding on frame period anywhere else.

NOT ALLOWED: Distributor protectors, pulley protectors, stock steel bell housings, reinforced tie rods, control arms, trailing arms, creasing body, pounding in quarter panels. You may not pound speaker deck down or quarter panels. No tipping or cold bending of frame.

WIRE

2 strands 3 loops per car fresh or used vertical may go to body mount or around frame.

This does not include hood or trunk hold downs or bumper straps.

These are the only things you may weld:

Motor mounts, bumpers, spider gears, safety bars, driver's door

BOTTOM LINE DON'T JUST ASSUME YOU CAN DO THINGS BECAUSE THERE NOT LISTED IN THESE RULES BE SAFE AND PICK UP THE PHONE YOU WILL BE SORRY IF YOU OVER BUILD IN THIS CLASS.

This is a super-fast build for the guys who don't have the money or time, who want to just have a good Time. Let's keep it this way. If this is not your style try our Pro Full Size class.

SLAM Trucks: (10) minimum 100%, (7) to (9) trucks 75%, (4) to (6) trucks 50%

1st place: \$1000.00 and trophy

2nd place: \$600.00 and trophy

3rd place: \$300.00 and trophy

1/2- 3/4-ton LIGHT BUILD TRUCK RULES 1/2 - 3/4-ton American made pickup, ext, crew cabs, suburban's are allowed, NO 1 tons or frame swaps. **Frames must remain stock and not shortened or altered in any way. shortening front or rear frame horns is not allowed. ANY QUESTIONS: CALL BEFORE CUTTING!** No welding other than specified!!!! NO adding extra braces in frame or engine cradles outside of what is stated. If officials suspect a 1 ton frame it will be driver's responsibility to have written proof by frame code, vin number it is 3/4 or less or will not run.

HOOD may be chained 3/8 chain, wired, or bolted in 6 separate locations, two chains or wires may go from core support to bumper, U will be allowed two 1". Max. rods welded to frame used for hood pin at core support, rods may be welded to core support 5" per rod (5" long filler material can be used to reach core support if not resting tight against), u will also be allowed a 5x5 inch washer welded to top of core support for hood pins to go through to hold in position, other 4 locations up to 1in. max hood pins, wires, or chain must go from sheet metal to sheet metal only, - hood washers no larger than 5x5 inches 1/4 thick, hood pins must be straight up and down 1'. max length. U may use 4 3/8 bolts each hole to bolt hood skin together hood openings around stacks. MUST have two window bars no larger than 3" diameter or 2 #9 wires in windshield opening to prevent hood from entering drivers compartment for driver's safety.

DOORS may be chained two locations per seam, or welded 24" of total weld outside only (1/4 In. strap no wider than 2") each chain or wire location will count as 4" of weld. Drivers door may be welded solid and reinforced for safety (highly recommended) and can have a driver's window net.

Tailgate must be ran in upright position, no removing, may be chained in two locations per side OR welded using 2x2 angle iron inside, or flat strap outside 24" total on the sides plus an additional 12" of weld or 4 chains on bottom of tail-gate to box (not bumper). Tail-gate may be lowered and welded to end of frame rails to use as a bumper as long as no other form of bumper is not used. If bumper is used may lower tailgate and

weld to top of frame only (not bumper) and chained in two lower locations, suburban, SUV back doors use tailgate rules to secure.

BUMPERS Front and rear bumpers may be changed to a seam welded, loaded car bumper, (rear bumper must remain flat) no adding bumper brackets to frame. If u choose not to install a factory car bumper u can use a (FLAT only) 6'. long max, 5" diameter or less, 3/8 thick square or round tube behind factory truck bumper welded to frame, no sharp edges, cannot protrude past fenders (must be covered by a skin on front side).

Bumpers may be welded to frame plus added 2x2 inch wide ¼ thick angle iron also to help secure to frame on all sides (do not run lengthways down frame as a bracket- bumper attachment only) Bumper height max 27" to the top of bumper- min. 22" top in the rear. No open frame rails.

TIRES Any ply tire allowed, stuffed, skid, ag ok, split rims allowed but ring must be fully welded. Uni-lug wheel centers 9" max. diameter may be used, no bead locks or full centers. **1 inch wide "lip" protectors will be allowed on rims.**

SUSPENSION Front axle non-leaf-spring trucks may install 3/4 bolt in center of a-arm welded to spring pocket to gain height. Front shocks may also be replaced with a piece of steel stock (bolted) in factory location to maintain ride height. Stock leaf packs, no adding or re-stacking leafs, You may have 6 leaf clamps per leaf pack total, **No coil to leaf conversions on front axles.** Factory leaf spring perches may be welded or bolted to frame

to help from tearing off. May add two chains per axle to frame 3/8 chain. 1/2 ton may swap to 3/4-ton rear ends, may be welded posi-traction, no bracing on rear ends.

ENGINE/TRANS May crossbreed engines and transmissions, No adding engine cradles or extra braces in frames other then directly specified. **For older c-channel frame trucks with no engine crossmember this is your allowance: you will be allowed to build an engine crossmember out of 2x6 ¼ inch thick tube max, you will be allowed to have a piece of the 2x6 tube 6 inches long welded or bolted in the c channel part of the frame, from there you can weld the 2x6 tube straight across off those pieces. This crossmember must be directly above the front axle of the truck, absolutely no gussets or extra bracing from crossmember to frame. Must only contact engine /Cradle at mounting bolts ONLY. Outside of Motor Mounts bolts, Crossmember cannot be used as a brace or support for lower engine cradle or any other part of drivetrain or suspension.** Do not use firewall as a brace. May have 2 chains or wires to frame to hold motor in place, may weld motor mounts in size of factory mount. Engine must be bolted to mount with 2 bolts not welded. Trans coolers allowed if deemed safe, do not use rubber unbraided trans lines. Trans may be chained or wired to cross-member. Block saver lower engine cradles allowed without pulley protector. Dist. protectors, trans. Protectors, steel ultra-bells, steel tail shafts will not be allowed. **Aluminum ultra-bells will be allowed.** Any driveshaft may be used, sliders ok. No radi-barrels, must use a radiator in factory location, or loop hoses.

BODY BOLTS Trucks may have 8 locations of chains, bolts or U-bolts to secure box to frame, cab 6, and core support 2, (suburban's, SUVs, may only use 10 total throughout cabin compartment and 2 at core support) 1". diameter max size bolts with plate size no larger than ¼" thick x 8" square) bolts may be bolted through top of frame like factory or may weld to outside of frame, do not pin frame. In addition you may leave original body mounts in factory location but must remain 100% stock rubbers included, if removed and bolted solid u loose option to use extra factory location.

BOX Roll over bar (strongly recommended) mounted in front of box, **(must remain 5" gap min. away from top of cab, must stay vertical not angled)** can bolt or weld to box floor or to box washer plates (not frame), no wider than frame on uprights, no wider than cab on top, may have kickers two feet back from uprights to support, and one crossbar across bottom of kickers to protect gas tank, roll over bar cannot attach to interior cage components. Box may be bolted to cab in 4 locations 1" bolt size 5x5 plates AND may weld 12" of strap per side (24 total) to weld cab and box together. U will be allowed one location to wire box side to box side location of choice- cannot go to or around frame (4 strands of wire max, no chains) . No folding box-sides over to create a wedge, may bolt fenders with 6 -3/8 bolts to bolt fenders together 2" washers max. threads must point inward. Outside fender creasing is allowed.

CAGE MANDATORY= Must run a bar behind seat and dash bar. Seat bar no further back than 10" behind seat. **Dash Bar must be Minimum 4" away from Transmission Bell and Firewall.** May use 6x6 plates on ends, may connect dash-bar to seat bar. **For down bars you are allowed the following; two down bars off of**

driver side door bar to floor OR may kick inward and attach to side of frame passing through floor. For passenger side you are allowed one down bar from passenger side door bar to the cab floor only to protect the battery. These are the only down bars you are allowed. You may attach a rollover bar from seat bar up to or over roof and down to dash bar, but these bars cannot connect or come in contact with rollover bar in trucks with boxes to stop truck from bellying. 5" diameter max. on cage material, only attached to cab, floor, or body mount plate not directly to frame. Suburban's, SUVs may attach a floating gas tank protector off seat bar 24x24 protector must remain 4 inches away from any sheet metal. These are the only internal cage components allowed.

BATTERY/GAS TANK 2 battery's max. allowed on pass floor, properly mounted and covered, NO BUNGE STRAPS!! Gas tank must be removed, and one relocated in front of box, 8 gal. max. May use electric fuel pumps if well labeled (FUEL SHUT OFF). **FRAME** If frame bent, may plate 1" past bend both directions 1/4 in thick one side of frame only. if long area over 6" is bent please call ahead for authorization, No boxing of frames.

MISC. Stock steering components, may alter steering shaft from box to steering wheel, tie rods may be reinforced in center. Shifter may be altered, ign. and starter wires may be altered.

This is a low build class, if rules don't say you can't do it don't assume you can!!! MUST REMAIN STOCK OTHER THAN STATED