

# DEMOLITION DERBY

Saturday, August 1 – 7:30 p.m.

ALL DECISIONS MADE BY TECH OFFICIALS ARE FINAL

Questions Call–717-821-8170

## Classes:

1. SUV/Mini-Vans – Small Cars
2. Street Stock (MWFA)
3. Super Stock
4. Pro-Stock (Weld Class)
5. Small Cars
6. V8 Truck Class
7. Kids Power Wheels Derby (Trophies will be awarded instead of premiums)

**Premiums for all classes except 2 & 3:** 1<sup>st</sup> - \$2,000.00; 2<sup>nd</sup> - \$1,000.00; 3<sup>rd</sup> - \$500.00

**Premiums for class 2 & 3:** 1<sup>st</sup> – \$3,000.00; 2<sup>nd</sup> – \$1,500.00; 3<sup>rd</sup> - \$500 All qualifiers

for a feature heat will receive \$100.00.

**ENTRY FEE:** If registered by Wednesday, July 22 8:00 p.m. \$50.00 admits driver and mechanic. After Wednesday July 22 \$50.00 admits driver only. Online tickets, Weekly pass or weekly track pass not good at Cornwall Road gate.

## DEMOLITION DERBY

### GENERAL SAFETY & COMPETITION RULES

- 1) Driver must have a valid state identification card. Drivers must be 18 years of age or older. All drivers and pit crew must sign a release and entry form, understanding that they are competing at their own risk and that they will not bring suit against any officials, promoter, employees, sponsors and/or property owner. By signing the release and entry forms you agree to all rules set forth and warrant that your vehicle meets all the requirements for your class.
- 2) All vehicles must pass tech inspections before competing. If presiding officials determine a vehicle is unsafe, officials have the right to not allow vehicle to compete. Tech inspection area closes 60 minutes before event is scheduled to start. Do not wait around. Once you are inside the pit area, proceed to the tech line and staging area.
- 3) Only the driver is allowed with the tech team in the tech area.

- 4) Have your hoods unbolted and ready for tech.
- 5) Once you pass tech, vehicle must go immediately to the pre-staging line and have the hood tightened back up. There will be no other work to be done on the vehicle.
- 6) No vehicle changes will be permitted once registration has closed. Officials reserve the right to approve or reject all entry applications.
- 7) All drivers must attend driver's meeting approximately 1 hour before event starts.
- 8) A vehicle cannot be registered after the driver's meeting unless approved by track official.
- 9) Competition vehicles must be always operated in a safe manner with the confines of the track, pit area and staging areas. Track officials have the right to stop and disqualify any vehicles not being operated in a safe manner. Pit area speed is 5 mph.
- 10) Any time the competition vehicle's engine is running, (pits, staging area, track, etc.) a driver must be in the driver's seat. No exceptions, automatic disqualification.
- 11) No Riders in the pit area.
- 12) Only track officials allowed at the track side during competition. No riders in vehicle during competition.
- 13) Drivers must stay inside the car and keep helmet on until heat is completed, unless instructed otherwise by track officials.
- 14) No deliberate hitting the driver's door. Doing so will result in disqualification. If you use your driver's door to draw a door hit, we will not enforce this rule.
- 15) You may drive forward or backward but must make contact or be disqualified. You must make a hit within 60 seconds, or you will be disqualified. Head on hits are permitted in all classes.
- 16) Any vehicle deemed unsafe by track officials during the event will be stopped and disqualified. Any vehicle which does not move for one minute will be disqualified.
- 17) Sandbagging can result in disqualification.
- 18) Any vehicle throwing shredded tire debris toward grandstands will be stopped and disqualified.
- 19) Demo Derby is not a team sport. Team driving will not be tolerated by officials and can result in disqualification.
- 20) Heat winners must run same car in Feature. Track officials reserve the right to fill feature events with additional vehicles if finalist cannot return.
- 21) Driver must wait for green flag from starting flagman before starting to run. Leaving the starting line before the green flag will be an automatic disqualification. No exceptions!
- 22) Vehicle must stop immediately upon signal of red flag from flagman/lights and horn.
- 23) If any vehicle and/or driver is disqualified for any reason, no refund of entry fee or pit fee.
- 24) A contestant may be disqualified for either emotional or physical reasons by the Competition Director or Track Officials. Example: recklessness; drugs or drinking alcoholic beverages. Any driver or any of his or her pit crew consuming any intoxicating agent, and/or drugs prior to or during the event, will be disqualified from the event. Drivers will be held responsible for the actions of their crew!
- 25) No one (at any time) will be allowed to abuse any track official verbally or physically. Automatic disqualification! We have the right to fully suspend any competitor.
- 26) If less than 6 vehicles enter a class, the track reserves the right to pro-rate the purse structure.
- 27) Track Officials will have the option to check competitors for rule violations at any time during the events.
- 28) The Promoter or Competition Director reserves the right to change any safety rule or rules if they feel it is necessary.
- 29) Tech Directors will have the final decisions on all vehicle classifications.
- 30) Contest will be governed by track officials and Competition Director with all decisions final! Judgement calls are not subject to appeal and shall be final!

### 31) Most importantly – BE SAFE, HAVE FUN!

The rules and/or regulations set forth herein are designated to provide for the orderly conduct of competition events and to establish minimal 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 warranty of safety shall result from publications of or compliance with rules and/or regulations. They are intended as a guide from the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.

The event director shall be empowered to permit minor 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 warranty of safety shall result from such alteration or specifications. Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final!

### **FOR TECH / BUILD QUESTIONS:**

Matt Balmer: 717-821-8170

Tim Showers: 717-821-7526

Daryl Hackman Sr: 717-701-0960

## **GENERAL BUILD RULES – APPLIES TO ALL CLASSES**

- 1) Vehicle must be teched at track and in the same physical condition as at the time it was inspected for current highway use, if required. Vehicle must be teched with tires on it that will be used for completion.
- 2) All dirt, glass and loose parts must be removed from the car. Do not leave glass in doors. Air bag safety system activation charges must be disabled.
- 3) All glass including head and taillights must be removed except front windshield. Removal of front windshield is optional. All sunroofs must have glass removed and covered with sheet metal (14 gauge maximum) attached with bolts and nuts. No self-tapping screws.
- 4) All chrome molding, door handles, rear seat, headliner, sun visors and rear-view mirrors must be removed.
- 5) All outside plastic and grill must be removed including factory nosepieces. Plastic bumper covers must be removed.
- 6) No bumper or frame mounted hitches allowed.
- 7) All air conditioning systems must be drained, and rubber hoses removed prior to arrival at track.
- 8) All wheel balancing weights must be removed, including inside of wheels.
- 9) All vehicles must have brakes in good working order.
- 10) No obscene signs or lettering allowed on vehicles.
- 11) Stock gas tank must be removed from car (except street stock...see below). **Maximum of 7 gallons of any fuel allowed.** An approved metal container must be securely fastened with metal or chain in the area vacated by the rear seat. No self-tapping screws, no rubber hold-down straps, or nylon ratchet straps

- allowed. Marine type gas tank highly recommended. Approved marine-type plastic tanks permitted. Fuel tank must be accessible during inspection if using a fuel tank cover. All electric fuel pumps must be operated by the key switch (on-off) or a painted red toggle switch easily accessible by track crew.
- 12) You may run an electric fuel pump, but it must have a kill switch that is clearly marked. Please use fittings or good hose clamps and make sure they are tight.
  - 13) Any fuel may be used.
  - 14) Fuel lines and battery cables cannot run over the dash. They must be routed through the firewall or underneath the vehicle. If they run through the firewall, it is recommended that they are insulated in a rubber boot.
  - 15) All cars must have a roof sign. Sign must have a viewable area of 12" x 18", with at least 6" tall and 3" wide numbers. Number must be visible to the announcer. Car number must match number on the entry form. If you do not have a sign, you will not compete that day.
  - 16) All vehicles must be always operated in a safe manner. Track officials have the right to stop or disqualify any driver or vehicle.
  - 17) All airbags must be removed. Drain air conditioners and radiators. No anti-freeze allowed. Do your best to flush the coolant system. Rubber hoses must be cut or removed prior to arrival at the track. All trailer/towing hitches must be removed.
  - 18) You only have 2 attempts to pass tech, or you do not compete that day.

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## STREET STOCK (MWFA)

This class is designed for entry level competitors. Meant to be AFFORDABLE – if it didn't come like that from the Factory and is not specifically stated that you can –  
THEN DON'T – BECAUSE YOU CAN'T!

- 1) Any 1980 and newer 2-wheel drive passenger car/mini-van/mini-truck/mid-size SUV
- 2) ALL CARS MUST HAVE A ROOF SIGN - Sign must have a viewable area of 12" x 18", with at least 6" tall and 3" wide numbers. Number must be visible to the announcer. Car number must match number on the entry form. If you do not have a sign, you will not compete that day.
- 3) All vehicles must be stripped of all plastic, glass, headlights, taillights, and anything else that could fall off onto the track during the show.
- 4) All vehicles must remain stock, **ABSOLUTELY NO WELDING ANYWHERE, UNLESS SPECIFIED!**
- 5) Bumpers must remain stock, do not alter bumper in any way. Factory bumper shocks must remain in factory location. You may remove rear bumpers and shocks. There is no welding to be done on bumpers.
- 6) Batteries may be left in stock location and spray foam may be added around battery. You may also move battery to passenger floor or seat. Please make sure battery is not moving.
- 7) If factory gas tank is in front of axle you may leave it there. If it's behind the axle, you must move it to the rear seat area. Factory tanks may be moved inside but completely secured. Aftermarket tanks may be used.
- 8) All doors may be wired or chained in 3 places max per seam.
- 9) Trunks, hoods, tailgates; all may be wired or chained in 6 places total. Sheet metal to sheet metal only. 2 must connect to the bumper, no frame connections. If you remove trunk or tailgate you lose that wire or chain.
- 10) Rear seat bar may be added. It may be welded to post. If you have to add something to get it away from seat, please call for approval. This is only to stop sides from coming in, not to help any other part of the vehicle.
- 11) Driver's door only may have a plate welded to the outside or inside. Plate should not overlap door seam more than 1 inch. This is for driver safety.
- 12) DOT tires only. Stock wheels only. All wheel weights must be removed. Only tubes and air are permitted inside of tires.

13) Don't call and ask questions. The Rules are the Rules – DO NOT MODIFY YOUR STOCK CAR. YOU WILL NOT COMPETE!

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## **SUV / MINI VANS – SMALL CARS**

- 1) ALL GENERAL RULES FROM ABOVE APPLY.
- 2) Small – Cars (110" and under for FWD, and 106" and under for RWD).
- 3) Any year foreign or domestic mass-produced SUV or mini-van 4 or 6 cylinder only.
- 4) Cars are to be stock unless specifically mentioned in these rules. No altering, swapping, welding or manipulating parts unless specifically mentioned. Patching and rust repair will be allowed only if cleared by a head official.
- 5) 4WD and All-Wheel Drive are prohibited from competing. Any vehicle that has 4WD or AWD capabilities **MUST** have either of the drive end's mechanically disabled.
- 6) No re-stubbing of cars will be allowed. OEM frames, frame parts, and crossmembers **ONLY**, unless stated otherwise. If it's not in these rules, it doesn't mean you can do it. Call with questions.

## **CAGES**

- 1) Bars must be sheet metal to sheet metal. Bars must be single bars, not stacked or doubled. They must be at least 5" from the center of the firewall and floor at any point including transmission and driveshaft tunnels. The back bar may not be any further back than the kick panels. Front bar may not contour the body. It must run straight across. All bars must be inside the driver's compartment except roof bar. All cage bars must be a minimum of 2" x 2" x 1/8" and be no larger than 4" x 4" x 1/4" or 2" x 6" x 1/4" except sidebars. Sidebars may be C-channel up to 6". Side bar length no longer than 64". If side bars are used, you must have both front and rear cross bars. If sidebars are not used, mounting plates are not to exceed 6" x 6" x 1/4" and may be used on the ends of the seat bar and dash bar. No down bars. The halo must come off your rear seat bar. Max. 3" x 3" bars or 6" C-channel. If you cannot weld, then it must be bolted! The cage and halo are for driver's safety only and may not strengthen the car in any way. 1 gusset per corner allowed, do not get carried away or you will cut it. No floating plates, 9 wire, chain, etc. can be used between the cage and frame or body except where stated.
- 2) No more than 2 windshield bars may be attached from the roof (no more than 3" up the roof) to the cowl area (no more than 3" below) on the front windshield area. This is only to protect the driver. Only one rear protector bar from the speaker deck to roof may be used and not to be connected to any portion of the cage or halo bar. Maximum size for any protector bar is 2" x 2" x 1/4". This may not be used as a strengthener or to keep a car from bending.
- 3) **A gas tank protector is allowed. Max. size of gas tank protector is 32" x 32" or smaller. It must stay 1" from factory package tray, and 5" from the floor.**

## **BODY & FRAME**

- 1) All body mounts must remain in stock locations. If OEM body mounts are used, the portion of the OEM mount between the frame and body cannot be altered including the metal cone inside of rubber mount. If you choose to replace OEM body mounts, the OEM mounts may only be substituted with an actual rubber hockey puck (no homemade plastic or metal spacers allowed). They must be positioned in the original location and with the same intent as the factory installs them, but bolts may travel through the top of floor. Body mount bolts may be replaced with factory size bolt for that vehicle. A washer, no larger than 4" x 4" x 1/4", may be placed on the top (inside car where the bolt sticks through the floor) and bottom of body mount bolts inside of frame. No welding washers to the car body or frame. Do not add or relocate any body mounts and/or bolts. K-member and subframe mounts will be considered body mounts. Maximum size of k-member or subframe bolts permitted is the OEM size for that vehicle. Compact cars with subframes, full size subframe, and pinch-frame cars may replace OEM mounts with hockey pucks. There must be 1" space in between the frame and the body, do not modify the hockey pucks in any way.
- 2) Notching and pre-bending will be allowed. Do not weld notches back together.
- 3) **Creasing or peening is allowed on fenders and quarter panels. You may add 2 extra lines max. Quarter panels must stay vertical.**
- 4) A 3/8" thick plate may be used to skin the outside of the driver's door. Skin can only overlap the door seams by 1 inch.
- 5) Wedging and lowering of trunk area will not be allowed. Trunk lids may be cut or bent to tuck. Quarter panels must remain vertical and factory height. If you tuck the trunk, it must go straight up and down to the trunk pan. **It cannot be attached to the trunk floor.**
- 6) Do not paint or undercoat frames inside of out. Do not grind or buff frames. If you weld on the frame other than is specified, you will not pass tech.
- 7) (4) 4" x 4" x 1/4" fix it plates are permitted.
- 8) **Must have a minimum of a 1" gap between the welds of any fix it plates or bumper brackets. This does not apply to the 6" x 6" x 1/4" bumper mounting plate. No overlapping of any added plates.**
- 9) Sheet metal repair is only allowed on the driver's door.
- 10) The ride height is measured from the bottom of bumpers. The front bumper max is 22". The rear bumper may not be lower than 14".

## **HOODS, TRUNKS & DOORS**

- 1) Hood must have at least a 10" x 10" hole on each side of the air cleaner for fire personnel. Hood/Trunk cutout bolts may be used. Max. 6 per hole, no larger than 3/8" bolts and 1 1/4" washers. Hood must be secured in four spots with 3/8" chain or four spots with three strands of #9 wire or four pieces of no more than 2" angle iron no longer than 2" in length with one 3/8" bolt may be used. Any place a bolt passes through a tie-down is considered one spot. You can use 3/8" chain or #9 wire (3 strands) to go around front bumper to the hood to keep bumpers from falling off. This will not count as a tie down location, take advantage of this!
- 2) Doors may be secured in 3 places per vertical seam only. When using one of the following options, max. 3/8" chains, #9 wire (3 strands), or 3 locations when welding 1/4" x 3" x 3" patches per vertical seam.

Location of chain, #9 wire or plates do not need to remain on vertical seams but must adhere to total count (i.e. – a sedan with 3 vertical seams will be allowed 9 total spots to be used at driver's discretion).

**You may use 3 wraps of #9 wire only at one location on the top of each horizontal seam. This may not be connected to anything other than the roof and the top of the door. Nothing on lower horizontal seams.**

Trunk lids must be secured in 4 locations using #9 wire (3 strands) or 3/8" chain or welding 1/4" plate 3" x 3". You may also use 3/8" chain or #9 wire (3 strands) to go around the rear bumper to the trunk lid. This will not count as a location but is recommended to keep bumpers from falling off.

- 3) All hoods must open on stock hinges or be removed completely for inspection regardless of cutout size. You cannot weld the hood directly to the car.
- 4) All rear inner decking panels must be removed from station wagons. All body seams must be visible for inspection whether it is a used car that is bent or a fresh car that is pre-bent. All trunks must have an 8" x 8" hole cut in it for inspection.

## **BUMPERS**

- 1) Any year OEM car bumper is permitted. You may cut or bend bumper ends for clearance. SMW light bumpers or comparable bumpers will be permitted.
- 2) No loaded bumpers.
- 3) Bumpers may be fully seam welded.
- 4) You may add two plates, one on each frame rail. They must be between the front of the frame and bumper – max size of 6" x 6" x 1/4" plate to help keep the bumper on. These plates must attach to the back skin of the bumper. You cannot weld your frame to your sub-frame, or your sub-frame to these extra plates.
- 5) You may hardnose bumpers on. No extra metal can be used other than what was specified.
- 6) **You may use 2" x 2" x 1/4" tubing 6" long or less in place of a factory shock. No manipulating, crushing, flattening, or modifying the square tubing in any way. No welding bumpers to the bodies. Absolutely nothing inside of any frames!**
- 7) A bumper of 4" x 4" x 1/4" with a point to be no less than 32" in width and 4" from front face and 4" in height. You may also use 2" x 6" x 1/4" in vertical orientation with no point. Ends must be capped and have an inspection hole of no greater than 1". Bumper may not be wider than the center of the front tires, anything extending beyond will need to be cut. No gusseting of bumper internally.
- 8) **ALL BUMPERS, not just fabricated ones, MAY NOT be wider than the center of the front tires.**

## **ENGINES, TRANSMISSIONS & DRIVE SHAFTS**

- 1) Engine & transmission swapping between manufacturers is allowed. Do not strengthen frames or cross-members with mounts. Motor mounts may be bolted or welded to cross member only. One engine chain per side may be used with a max length 18". You may use closed loops no bigger than 3/8" chain. You may bolt to existing factory hole or wrap around crossmember only. Motor chains must go to the engine crossmember, straight down, and only one link can be welded to crossmember. Factory style transmission cross members must be used.
- 2) Motor mounts – OEM motor mounts can be replaced with solid mounts – The mounts cannot strengthen the frame!

- 3) The transmission mount must remain OEM or OEM replacement. No solid transmission mounts.
- 4) No engine cradles.
- 5) No slider drive shafts.
- 6) Aftermarket shifters, gas pedals, ignition switches, transmission coolers, electric fans, and throttle linkages are allowed. Transmission braces are NOT allowed.
- 7) **Water only in cooling system. Please drain antifreeze prior to arrival at the track. Cooling systems must be located under the hood and can only be in the form of a radiator or basic looped cooling system. NO WATER TANKS OR BOXES. FACTORY COOLING SYSTEM OR LESS!**
- 8) Exhaust may exit under the car or straight up through the hood. Some type of air cleaner must be used. No open carbs will be allowed.
- 9) Two batteries per car allowed. Batteries must be mounted securely to the passenger side floorboard and covered with a rubber mat. We require metal frames bolted or welded to the floor or chains. Do not use zip screws, ratchet straps or rubber straps. Do not strengthen car with the battery box.
- 10) Distributor protectors are NOT allowed. All large holes in firewall must be covered with tin, heavy rubber or fire-resistant material.

## **SUSPENSION & REARS**

- 1) Any non-braced rear end may be used with a max count of 6 lugs.
- 2) Rear shocks to remain stock. You can chain the rear with (1) 3/8" chain per side around the frame to the rear. No welding chain. It must be bolted.
- 3) No rear end bracing allowed.
- 4) Suspension may be raised by using torsion adjustment.
- 5) Tie rod ends and ball joints must remain OEM. No welding of any suspension components to frame or no plating or added metal will be allowed to strengthen springs, struts, etc. NO TRUCK PARTS!
- 6) Factory leafed cars must have factory spring packs with correct step-downs. No more than two replacement clamps will be allowed on each spring pack. They will not exceed 1/4" x 2" x 5". No suspension conversions.
- 7) You cannot weld anything to the axle tubes.
- 8) **NO STRUT MODIFICATIONS ALLOWED! ALL SUSPENSION MUST TRAVEL.**

### **FOR TECH / BUILD QUESTIONS:**

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# **SUPER STOCK**

Class is designed for most larger cars except for the following: Ambulances, Hearses, Imperials, Sub frame Imperials, Limos etc. (Please call for vehicle qualification).

## **GENERAL**

- 1) Please maintain the STOCK STYLE of build stated in the rules.
- 2) ALL GENERAL RULES FROM ABOVE APPLY.

## **DRIVETRAIN**

- 1) A lower engine cradle and front plate only, no distributor protector. Don't go crazy welding lower cradle in or you will cut. Only weld what is necessary.
- 2) No aftermarket bells or tail-shafts. Transmission case must be stock, no material added.
- 3) OEM crossmembers only. Frame extensions must have 1" clearance in all directions.
- 4) Any OEM passenger car rear, with factory 5-lug pattern may be used. NO BRACING! Pinion brake is permitted. No axel savers.
- 5) 1998 and newer must run factory watts link. No exceptions!
- 6) Motor swaps and aftermarket bolt-ins such as shifters and pedals allowed.
- 7) Slider drive shafts are allowed.

## **WHEELS AND TIRES**

- 1) Any wheel and tire combination allowed.
- 2) No liquid filled tires.

## **BUMPERS**

- 1) Any year OEM car bumper is permitted. You may cut or bend bumper ends for clearance. SMW bumpers (light) or comparable bumper will be permitted.
- 2) No loaded bumpers.
- 3) Bumpers can be fully seam welded.
- 4) You may add two plates, one on each frame rail. They must be between the front of the frame and bumper – max size of 6" x 6" x ¼" to help keep the bumper on. These plates MUST attach to the back skin of the bumper. You cannot weld your frame to your sub-frame or your sub-frame to these extra plates.
- 5) You may hardnose bumpers on. No extra metal can be used other than what was specified.
- 6) Bumper shocks can be welded to the OUTSIDE of the frame only 6" back starting at the front of the frame. Absolutely nothing inside of any frames. You may use 2" x 2" x ¼" tubing 6" long or less in place of a factory shock. Anything welded after 6" will be cut!!!
- 7) No welding bumpers to bodies.
- 8) The ride height is measured from the bottom of bumpers. The front bumper max is 22". The rear bumper may not be lower than 14".
- 9) A bumper of 4" x 4" x ¼" with a point to be no less than 32" in width and 4" from front face and 4" in height. You may also use 2" x 6" x ¼" in vertical orientation with no point. Ends must be capped and have an inspection hole of no greater than 1". Bumper may not be wider than the center of the front tires, anything extending beyond will need to be cut. No gusseting of bumper internally.
- 10) All bumpers including OEM bumpers, are not to be wider than the center of the tires.

## **SUSPENSION**

- 1) All suspension to remain stock. You may lock suspension, but no welding!
- 2) OEM, Coils, Shocks, or leaf springs only.
- 3) NO LEAF CONVERSIONS!
- 4) Rear shocks and coil springs must remain stock and in stock location.
- 5) Rear humps may be chained around the rear in 1 spot per side. No welding the chain, it must be bolted.
- 6) 2003 and newer Vic's may run 80s Ford spindles only, all other suspension components must be an OEM part that is available for 03' and newer Ford, Lincoln and Mercury passenger cars.

## **STEERING**

- 1) All steering components are to remain stock.
- 2) Aftermarket steering column is permitted.
- 3) No hydraulic steering systems.
- 4) NO REINFORCEMENTS!

## **FRAME**

- 1) (4) 4" x 4" x ¼" thick fix it plates are allowed. Must be painted red.

- 2) Must have a minimum of a 1" gap between the welds of any fix it plates or bumper shock or bracket. This does not apply to the 6" x 6" x ¼" bumper mounting plate. **No overlapping of any added plates.**
- 3) No pinning, plating of frames. STOCK only.
- 4) Frame can be shortened to the factory core support location only.
- 5) Notching and pre-bending will be allowed. Do not weld notches back together.
- 6) NO TILTING OR COLD BENDING.
- 7) No frame repair unless preapproved.
- 8) **No frame swapping. They must be correct for the model year.**

## **BODY**

- 1) Driver's door may be welded solid.
- 2) **All other doors must use a 3/8" chain / #9 wire (3 wraps per location) or 3" x 3" x ¼" steel at 3 connections per vertical seams. You may use 3 wraps of #9 wire only at 1 location on each top horizontal seam. This cannot connect to anything other than the roof and the top of the door. Nothing on lower horizontal seams.**
- 3) Trunk may be tucked but cannot connect to trunk floor in any fashion. TRUNK CANNOT BE DISHED OR CANOED.
- 4) Hood must have a minimum of (2) 10" holes, 1 per side.
- 5) Trunk must have a 12" inspection hole.
- 6) Hood and trunk may be fastened in 4 spots using #9 wire (3 wraps), 3/8" chain, or 3" x 3" x 1/4" plate. (Welded to the body only). You may use up to ½" all-thread and a 3" washer. All-thread may not be fastened to the frame in any way. You may also fasten hood and trunk in 2 extra locations to your bumper using a 3/8" chain or #9 wire (3 wraps).
- 7) Creasing the body is allowed. Quarter panels must stay in vertical position.
- 8) Sheet metal repair is allowed on driver's door.
- 9) All body mounts must remain in stock locations. If OEM body mounts are used, the portion of the OEM mount between the frame and body cannot be altered including the metal cone inside of rubber mount. If you choose to replace OEM body mounts, the OEM mounts may only be substituted with an actual single rubber hockey puck (no homemade plastic or metal spacers allowed). **You may use 2 pucks on top of each other under the core support. No steel spacers of any kind.** They must be positioned in the original location and with the same intent as the factory installs them, but bolts may travel through the top of floor. Body mount bolts may be replaced with factory size bolt for that vehicle. A washer, no larger than 4" x 4" x ¼", may be placed on the top (inside car where the bolt sticks through the floor) and bottom of body mount bolts inside of frame. No welding washers to the car body or frame. Do not add or relocate any body mounts and/or bolts. K-member and subframe mounts will be considered body mounts. Maximum size of k-member or subframe bolts permitted is the OEM size for that vehicle. Compact cars with subframes, full size subframe, and pinch-frame cars may replace OEM mounts with hockey pucks. There must be 1" space in between the frame and the body, do not modify the hockey pucks in any way.

## **CAGE**

- 1) 4-point cage is recommended.

- 2) Maximum thickness of cage material is 4" x 4" x 3/8" or 2" x 6" x 3/8". Side bar length not to extend past rear kick panel. Absolutely nothing fastened to the cage.
- 3) Gas tank protector is allowed. The maximum size of gas tank protector is 32" x 32" or smaller. It must stay 1 inch from the factory package tray, and 5 inches from the floor.
- 4) No down bars.
- 5) Dash bar must be 5" from firewall.
- 6) Halo recommended and bolted to roof.
- 7) Only one rear protector bar from speaker deck to roof may be used and not to be connected to any portion of the cage or halo bar. Maximum size for any protector bar is 2" x 2" x 1/4".
- 8) Drivers front door must have padding between themselves and door.
- 9) If it does not say you can do it, it is NOT PERMITTED. If you have any questions or concerns, please call first.

**FOR TECH / BUILD QUESTIONS:**

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## **PRO-STOCK (WELD CLASS)**

Class is designed for most larger cars, except for the following: Ambulances, Hearses, Limos, etc.

**ANY YEAR IMPERIAL IS WELCOME.** (Please call for vehicle qualification).

### **GENERAL**

- 1) No wedging of cars. Quarter panels must remain upright for pre-ran or new build.
- 2) Any motor and transmission can be used. Transmission cooler permitted in cockpit tightly secured.
- 3) Full cradles permitted. No kickers with full cradles.
- 4) If you do not have a full cradle, you may run (2) 2" x 2" x 1/4" kickers from the dash bar to the top of the frame. There must be a 6" gap between the location where the kicker meets the frame and the back of the a-arm.
- 5) If lower cradle is used, you may use a trans with a mid-plate, but no distributor protector.
- 6) Transmission crossmember may be a max of 2" x 2" x 1/4" tubing connected to the frame by a 4" x 6" x 1/4" angle, with a max of length of 6". Crossmembers may not go through the frame and must go straight across. Transmission may have a steel bell, steel shaft and may have transmission brace with solid transmission mount connected to the crossmember only.
- 7) Slider driveshaft is permitted.
- 8) ANY REAR, BRACING ALLOWED. NO BRACING MAY ATTACH TO THE BODY, FRAME, OR PACKAGE TRAY AND CANNOT STRENGTHEN CAR IN ANY WAY.
- 9) Bracing of rear must occur between humps measured from innermost point of frame aka width of package tray. NO BUMP STOPS.
- 10) A plastic mechanical fan is allowed if it is fully covered by hood and fenders. You may be asked to remove it if is not covered or shrouded properly.

## **WHEELS AND TIRES**

- 1) Any tire and wheel combination are permitted, just no liquid filled tires.
- 2) Full wheel centers permitted; valve stem protectors allowed but may not extend out past the wheel further than 1". Lip protectors and bead locks are permitted.
- 3) Wheels may be spaced ½" with additional center.

## **BUMPERS**

- 1) Both front and back bumpers may be any OEM bumper. Bumpers may be loaded internally, meaning within the factory skins.
- 2) No sharp edges, end caps permitted.
- 3) May be fully seam welded.
- 4) Homemade bumpers are permitted BUT MUST MEET THE FOLLOWING specifications. Must not exceed 8" x 8". If it has a point, the point may not extend more than 4" from flat front section of the bumper. Flat back of bumper to furthestmost point of bumper can be a maximum of 12". Meaning, 8" thick bumper – 4" point. If the bumper is 6" x 6" or less, you still may not exceed the 4" point from the front flat section of the bumper. NO EXCEPTIONS!

The point must taper over 32". Bumpers cannot be sleeved around frame or built around the frame. Bumper must be built from flush mounting surface forward, not backward around frame.

- 5) Bumper mounting: you may use a 2" x 2" x 12" long 3/8" thick square tubing or a 4" x 12" long 3/8" thick plate on the outside of frame. (1 per frame rail) Measurement for plating starts at the end of the frame. Plating can be on the outside of frame top, bottom, left, or right. NO LOADING OF THE CONTOUR!
- 6) Measurement of tubing from back of bumper with straight edge.
- 7) Bumpers may not be lower than 14" or higher than 22". Measurement taken from bottom of bumper.

## **SUSPENSION**

- 1) 2003 and newer cars may replace the factory aluminum cradle with a weld in cradle or SMW bolt in.
- 2) 80' – 02' cut outs and GM cut outs must adhere to the following rules when welding in. A single pass of weld can be used. A ½" rod, 12" long, can be used as a filler. 1 per frame rail. Absolutely no extra metal then what is listed. The rod must be painted red!!!
- 3) Tie rods may be reinforced
- 4) If choosing to swap an 80s style body onto a 03' and newer frame, the car will be inspected as a 03' and newer and above rules will apply.
- 5) Suspension does not need to travel.
- 6) Rear suspension may be 1" all thread.
- 7) Coils may be welded to the rear and banded to the body in one spot.
- 8) Leaf Spring Conversions: maximum of 7 leafs. No truck springs. No hump plates on leaf conversions or factory leafed cars.
- 9) NO AFTERMARKET A-ARMS.

- 10) Front suspension may be solid. A-arms may be locked down using (2) 2" x 4" x ¼" plates per side. They may be welded no more than 2" away from the A-arm.
- 11) A-arms may be swapped OEM to OEM. Ball joints may be aftermarket and may be welded in. Spindles may be swapped OEM to OEM. No aftermarket spindles.
- 12) Front shocks can be 1" all thread. No ski springs. Nothing at all is permitted on top of the coil springs. Coil pockets may not be reinforced in any fashion.
- 13) Sway bar must use factory mounts and CANNOT BE WELDED.
- 14) Humps may be chained around the rear at 1 spot per side. If doing so, you may either wrap the chain around the humps and once around the rear on each side. Chain may be bolted or welded on 1 full link to frame to secure the chain. This means 1 link per chain.
- 15) Watts link kits are permitted. If using a watts link, aftermarket or homemade, it must bolt to the package tray utilizing only 7/16" maximum bolts. You may not bolt through the package tray to the body. NO WELDING TO THE PACKAGE TRAY. Watts link uppers must be no bigger than 8" x 8" max. Loweres may be a maximum of 2" x 2" x ¼" square cut for desired pinion angle and mounted in one fashion. A bracket on the inside of the frame, may be welded, but lower 2" x 2" must bolt to that bracket. Maximum length of lower mounting bracket is 6". Maximum of 3" x 3" lower trailing arm. WATTS KIT LINK CAN ONLY BE BOLTED TO THE PACKAGE TRAY, NO WELDING.
- 16) Leaf sprung wagons and sedans may not use aftermarket leaf packs; flat stacking will be allowed. 7 leaf's maximum, 5/16" maximum thickness. 2" stair step and stagger. 4 clamps per leaf pack. Clamps may have a maximum of ¼" thickness and 2" maximum width. They can be bolted with 3/8" bolts.

## **STEERING**

- 1) Steering boxes must be mounted at factory location; however, you may utilize an aftermarket adapter plate if you prefer to change steering box OEM to OEM between manufactures.
- 2) Tie Rods may be reinforced. Aftermarket permitted. Heim joints permitted.
- 3) Aftermarket steering columns permitted.
- 4) Center link must remain factory.

## **FRAME**

- 1) Seam welding A-arms forward is permitted. NO OTHER SEAMS MAY BE WELDED.
- 2) Tilting permitted. You may tilt in one spot per rail only, NO EXCEPTIONS! NO EXTRA METAL IS ALLOWED TO BE ADDED TO WELD CAR BACK TOGETHER. ½" Max bead. If you do not tilt at the box, YOU ARE NOT PERMITTED TO WELD OVER THE BOX WELDS. Only where you tilted the frame.
- 3) A max of (4) fix-it plates may be used. They may be formed to the frame or bent but MUST meet the following specifications.
  - a. No larger than 4" x 4" x ¼" and may not cut into multiple plates.
  - b. Must be fixated on any external side (top, bottom or sides) of frame. No internal plating.
  - c. Must be painted red.
  - d. No interior framing or pinning permitted.

- e. Must have a minimum 1" gap between the welds of any added fix-it plate, A-arm plates, bumper bracket, or hump plate. This does not apply to the 6" x 6" x ¼" bumper mounting plate. **No overlapping of any added plate or bracket.**
- 4) Rear frame may be dimpled or cut for rolling.
- 5) On non-leaf spring cars, a 22" x 6" x 3/8" thick max hump plate is permitted on the OUTSIDE of frame, closest to the wheel. Hump plates must be between the body mount in front of the arch, and the body mount behind the arch.
- 6) No painting or undercoating on the frames.
- 7) You may swap frames, but the car will be inspected based on make, model and year of frame.
- 8) Frames may be re-clipped, but must remain the same make, model and generation/era.
- 9) All body mounts may be changed to 5/8" bolts or all thread with a max length of 6". CORE SUPPORT ALL THREAD IS THE ONLY BODY MOUNT THAT MAY RUN ALL THE WAY TO THE BOTTOM OF THE FRAME.
- 10) A 1" space must be always maintained. This may be achieved utilizing any of the following: solid, OEM, mounts or hockey pucks.
- 11) Boxes are limited to a 4" spacing. Core supports may have a max spacing of 8". Only core supports spacers may be welded.
- 12) Rust repair is limited; ALL MUST BE PREAPPROVED.

## **BODY**

- 1) The driver's door may be welded solid, and you may have full door skin ¼" max overlapping, no more than one inch of seam. DOOR SKIN NOT PERMITTED ON REAR DOORS. No protruding metal or rails outside driver's door.
- 2) All other door seams may be welded in a 5" on 5" off fashion. Outside seam only.
- 3) Trunk 5" on 5" off fashion.
- 4) Trunks may be dished or canoed. A 2" space must remain between trunk floor and the trunk lid. Measurement will be taken from lowest point of lid and highest point of trunk floor if beat up.
- 5) You may only use the factory trunk lid, no hoods. Speaker deck may be removed.
- 6) Mandatory (2) 10" holes, one per side of trunk lid for inspection. Holes may be bolted with 3/8" bolts in 10 spots.
- 7) Trunk may be tucked.
- 8) Hood may be secured in 6 spots. Can be chained or bolted. If bolted, you may only do so in the following fashion: Angle 2" x 2" Max 6" in length with 8 total bolts. Meaning, 2 core support all thread and 6 bolts through angle total. Maximum of ½" bolts. No #9 wiring hoods. Front core support may be used as 2 spots up to 1" all thread. All thread may not run through frame rail. Max of 3" x ¼" washers.
- 9) A minimum of (2) 12" holes must be cut. Holes may be bolted with a maximum of 3/8" bolts totaling 16 bolts.
- 10) Fenders may be cut and rolled for clearance and welded back together or bolted a max of 8 times with 3/8" max bolts.
- 11) All fenders and body lines may be creased or peened, both horizontal and vertical. Be creative.
  - a. However, side rear quarter panel must remain upright in factory location, not beat down or inward even on pre-ran cars.
- 12) Expanded metal permitted at core support for radiator protections. Max size of expanded metal ¼" water only in the radiator.
- 13) No wedging.

- 14) Speaker deck may be removed or beat down. No rewelding or speaker deck in new locations.
- 15) Roof sign is mandatory for identification.
- 16) No additional #9 wire, banding, chain, cord, or welding allowed, other than specified.
- 17) Sheet metal repair is only allowed on driver's door.

## **CAGE**

- 1) 4 point "floating cage", consisting of, dash bar, rear seat bar and two side rails. In addition to side rails, a center bar from rear bar to dash bar is allowed. All caging must remain inside cockpit, except for halo bar.
- 2) Halo bars recommended. Halo may be bolted to the roof in 2 spots max. Halo bars must be on outside of car.
- 3) From the halo bar, a front bar may be used and can connect to the dash bar and welded with a max size of 2"x 2" x ¼" square tubing.
- 4) Dash bar must remain 5" from the firewall. In addition, all cage components must remain 5" away from sheet metal including transmission tunnel.
- 5) Side bars can extend beyond dash bar 5" max and cannot be angled in any fashion, nothing other than side bars may be past the dash bar.
- 6) The side bars may not extend past the rear kick panel.
- 7) Cage may be gusseted at corners. Gussets that run parallel with floor will be allowed. No vertical gussets.
- 8) On driver's side and passenger's side – A down bar is permitted between dash bar and rear seat bar for driver protection or equipment mounted on floor protection. However, the bar must be placed 10" or further behind dash bar and only welded to body sheet metal, not the frame!!
- 9) A gas tank protector is permitted. No wider than 32". Gas tank protectors may butt up against the package tray.
- 10) Rear window bar. Limit of 2" x 2" x ¼" from halo to speaker deck. A 5" x 5" x ¼" plate is permitted at the bottom of the rear bar and may overlap and be welded to the trunk lid. This plate must coincide with the 5" on 5 "off rule.
- 11) Maximum sizes of cage material are 4"x 4" or 2" x 6".
- 12) Fenders must remain upright and parallel. Body mounts must be utilized in factory locations. 3" maximum washers. Body bolts may only pass through the top of the frame. If fenders are wrapped, they may not be welded or bolted back together to body.
- 13) Absolutely no plastic fuel cells! Must be aftermarket pressure tested fuel cell. For your convenience and ours, please remain within rules. If it does not say you can do it. It is not permitted. If you have questions or concerns, please call first.

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## **V8 TRUCK CLASS**

V8 Truck Class is for  $\frac{3}{4}$  ton pick-up Trucks, smaller V8 Trucks, SUV's and Vans

- 1)  $\frac{3}{4}$  ton trucks with  $\frac{3}{4}$  ton suspension and a maximum of 8 lug axles only permitted.
- 2) 4-wheel drives permitted but must remove one driveshaft.
- 3) SUV's allowed.
- 4) No leaf conversions.
- 5) No kickers of any fashion will be allowed, no matter the interpretation.

## **CAGE**

- 1) 4-point cage permitted with gussets in the corners with a maximum 6" cage material. You may have a gas tank protector in the bed, or off seat bar in an SUV. Tank protector max 32" wide. Tank protector may be welded to the floor of the bed but may not attach to the frame. Tank protector may not go further back than the front of the wheel tubs in the bed. Gas tank protector is not for strengthening, only to protect tank.
- 2) HALO BAR IS MANDATORY with a bar from halo to dash bar. Max size on bar from halo to dash is 2" x 2" x  $\frac{1}{4}$ ".

- 3) One rear window strap with a max size of 3" wide and ¼" thick. 3" above the window and 3" below the window.
- 4) Dash bar must remain 5" from the fire wall. All other cage material must remain 5" off the floor. Side bars may extend past the dash bar 5" max. They may not angle in any fashion. Side bars can be no further back than the rear kick panel of second row of SUV.  
Meaning – First one behind the driver's seat. In SUV, the gas tank protector must be in front of rear axle, with a max width of 32". 4" x 4" max material. Cage may be gusseted, however, no vertical gussets allowed.

## **BODY**

- 1) Front doors may be welded solid. All other doors may be welded with a 5" on 5" off pattern. This includes the rear doors and tail gates. Driver door skin is permitted. 3/8" max and may extend past door seam 2" on the front and the back.
- 2) When welding tailgates or rear doors, they may be welded to the bumper using the 5" on 5" off pattern.
- 3) If you decide to drop the tailgate down, behind the frame, no rear bumper will be permitted. Tail gate may be welded to the end of the frame.
- 4) Cab to bed may be welded solid.
- 5) Hoods may be bolted or #9 wired in 8 spots. 2 spots may go around bumper. You may use 2" x 2" x ¼" angle 6" long to bolt hood shut with a max of 2 bolts per angle.
- 6) Body/bed may be bolted solid to the frame with 5/8" bolts with a max of 3" washers, top and bottom, with the exception of the 2 mounts in the core support. These may be 1" all thread and be used as 2 of your hood bolts.
- 7) Quarter panels or bedsides must remain upright, no wedging.
- 8) Core support may have radiator protection with expanded metal or similar approved sheet max of ¼" thickness in front of radiator. This may be welded in 10 total spots, 2" long or bolted 8 times with 3/8" max bolts, max length of 3".

## **FRAME**

- 1) Any OEM front and rear loaded bumpers permitted with all the work done inside of the bumper. Homemade bumpers are permitted, with 8" x 8" max. Point must taper over 32" and may not extend beyond 4" of flat front of the bumper. SMW or comparable bumpers are permitted. Bumpers may be a max of 22" high and a minimum of 16". Measurement is taken from the bottom of the bumper.
- 2) You may have a factory bracket or a piece of 4" x 4" x 6" or less tubing welded no more than 6" back on the frame to attach the bumpers on the front or rear. The factory bracket may be welded 6" max top and bottom.
- 3) You may weld the factory shackle brackets to the frame, no added material.
- 4) You may weld the factory frame cross members into the frame, using the following method. You may have a 1" weld for each rivet that holds the cross member in from the factory. Do not abuse this rule!
- 5) You are allowed (4) 4" x 4" x ¼" fix it plates welded on.
- 6) Must have minimum 1" gap between the welds of any added fit it plates, A-arm plates, bumper bracket, or hump plate. This does not apply to the bumper mounting plate. No overlapping of any added plate or bracket.

## **SUSPENSION**

- 1) Tie rods may be reinforced. No heim joint style tie rods. Must use factory style ends.
- 2) You may use (2) 4" x 4" x 1/4" plates to weld the A-arms down. One on the front and one on the back of each upper A-arm. If your suspension is leaf sprung, you may use a piece of 2" x 2" x 1/4" tubing from the frame to the axle with no more than 3 inches of weld to the frame.
- 3) You may use 1" all thread instead of shocks.
- 4) You may have 4 leaf spring clamps on each side. 2 in the front of the axle and 2 behind. Maximum size of material for the clamps is 2" wide x 3/8" thick. No after-market leaf packs.

## **DRIVETRAIN**

- 1) You may use a lower cradle, front engine plate, and pulley protector only. No other engine or transmission protectors allowed.
- 2) Slider driveshafts are permitted.
- 3) Rear axle may be braced.
- 4) Engine mounts may be solid but cannot add strength to the frame.
- 5) **Must have a chain, wire, or some sort of driveshaft loop around the middle of the rear driveshaft.**

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## **KIDS POWER WHEELS DERBY**

- 1) Any regular electric Power Wheel is allowed. No 4-wheeler type vehicles allowed (ATV, Gator). Child's legs must be in a compartment. Ride in, not ride on!
- 2) Kids 5-10 years of age may participate. Drivers only, no passengers. No entry fee will be charged. Pre-registration is highly recommended.
- 3) Helmets must be always worn. Bicycle helmets are permitted.
- 4) The vehicle is allowed to have any size/volt battery, which cannot be mounted in the passenger seat and battery must be secured by straps or bolted and sealed away from the child.
- 5) Tires may be covered in duct tape to prevent them from breaking.
- 6) Decorative changes can be made to the Power Wheels to make it look like a derby car, however, there can be no reinforcement to the power wheel. Changes and additions are only decorative (Ex. Header pipes sticking up, painting the car, etc.) Decorations may only be made from cardboard, paper and tape. No hard plastics or metal decorations.

- 7) If child gets out of vehicle during event, that child is disqualified. One parent must accompany child on the track during event. No parent coaching from sidelines.
- 8) Seatbelts must be always worn. If original seatbelts are not in place, then a replacement seatbelt must be available and securely fastened. Seatbelts must fit properly.
- 9) All vehicles will need to be inspected by 6:00pm.
- 10) At all times, remember that this is for the kids! Any vehicle deemed unsafe will not be allowed to compete. Do not add something to the power wheels that could cause them to not be able to compete in the derby. You could have a disappointed child if not allowed to run! Please follow the rules!

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