

## **Twisted Metal Demo Crew 2020 Rules**

ALL ENTRIES MUST BE IN INSPECTION LINE 1 HOUR PRIOR TO THE START OF THE DERBY OR AN ADDITIONAL \$50.00 FEE WILL BE ADDED TO PARTICIPATE!

### **Entry and Registration**

1. Each driver must fill out an entry blank in its entirety.
2. Each driver and pit crew member must sign a release form prior to entering the pit area. All injuries must be reported to the officials at once. Only drivers, owners, mechanics, crew members that sign the release sheet will be allowed in the pit area.
3. Each driver must be 16 years of age or older and must hold a valid driver's license. If under 18 years of age, the driver must have a notarized release signed by a parent or legal guardian.
4. If you are pregnant and/or have back, heart, or health problems, you are not permitted to compete.
5. Any driver or crew member not obeying the rules will be disqualified. Drivers are responsible for the actions of their crew members.
6. All competition rules are explained at the mandatory drivers meeting.
7. The track owners, fair board have the right to approve or reject any entry.
8. The track owners, fair board is not responsible for any vehicles, parts, or personal property at any time.
9. Any American made hardtop automobile or station wagon is permitted. No convertibles, jeeps, hearses, ambulances, or 4-wheel drive cars will be permitted.

### **Inspection**

1. Only the driver will be permitted with each entry into the inspection area. NO SPECTATORS PERMITTED.
  2. Each entry will ONLY be permitted one additional attempt through the inspection area. Build your vehicles to the rules! NO REFUNDS will be awarded for illegal entries.
  3. All entries will be required to open hoods in the inspection area 4. All entries must be inspected 1 hour prior to show time. If vehicle is not in inspection line 1 hour before show starts, a \$50.00 fee will be added to participate.
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1. Remove ALL glass, fiberglass, headlights, taillights, trim, interior, trailer hitches, etc. Vehicles must be swept clean. No junk tires, wheels, metal parts, etc. allowed.
  2. All rear seats and flooring decking must be removed. Any sharp or protruding fins must be cut off the vehicle.
  3. Standard safety belts, Z-90 approved helmet, and eye protection (face shield or safety glasses) are required. Neck braces highly recommended. Fire retardant suits, clothing, or hood is recommended. No shorts or shirtless drivers will be permitted.
  4. Exhaust (either zoomies or headers) must point away from fuel lines and headers must be straight in the air.
  5. All hoods must have a square hole directly cut above the carb. All hood and deck lid latches must be removed.
  6. Firewalls may not be totally removed. If holes are cut for clearance purposes, the holes must be covered by something fireproof. If patched with metal, the metal must not be thicker than 16 gauge.
  7. No spray devises or cans permitted in the vehicle.
  8. All vehicles must have dependable brakes at all times.

9. Stock gas tanks must be removed from the original position. A replacement tank must be securely fastened in the rear section (no farther forward than the back of the front seat) of the driver's compartment. Steel gas tanks or Neoprene construction approved tanks may be used. No original tanks permitted. Gas tank must be securely fastened by means other than ratchet straps or wire. Tanks must be securely bolted to the floor. Tanks must be covered in a fireproof fashion. Any vehicle that spills gas will be disqualified immediately. Gas tank protectors maybe used must have a gap between the rear deck.
10. Electric fuel pumps are permitted, but the switch must be CLEARLY marked ON/OFF.
11. Stock batteries must be removed from the original position. A battery must be located in the driver's compartment and securely fastened to the floor. The battery must be covered.
12. No profanity will be permitted on any vehicle.

### **80's bone stock (fullsize car)**

Must be 100% stock!! No cross breeding entire drive must be same make as car (Chevy to Chevy, Ford to Ford and so on) Must appear to be factory engine to car with stock exhaust.

1. Engine must be mounted with stock mounts in stock position. No welding of mounts must be bolted only.
2. No homemade cross members. Cross members must be stock and bolted in not welded.
3. Doors must be chained or wired. No more than 8 places per door the wire from the bottom of doors may go around frame. You may use 5/6" chain or 2 strands of #9 wire per hole.
4. Trunks must be chained or wired. No more than 8 places; 2 of these may go around bumper and/or frame. TRUNKS MUST BE OPEN DURING INSPECTION! • Car must have deck lid and or tailgate in factory location or removed. No welding or adding metal. Trunk lid must be in stock location. No tucking, wedging, pre bending, smashing, folding or anything else you can think of. No welding washers for holes.
5. Hoods may be wired or chained in 8 spots. You may use 5/16" chain or 2 strands of #9 wire per hole. It must be sheet metal to sheet metal only. No welding washers for holes. Must be 12" hole in hood in case of fire. Remove hood latch!!! Hood must be open for inspection.
6. Any tires permitted; double tires permitted. NO foam filled tires & no valve stem protectors.
7. You may leave stock gas tank in stock location or you may relocate the fuel tank to rear floor of car if this is done you must use a fuel cell or boat tank. No stock fuel tanks allowed inside of car. • Must only have 3 gallons of gas. You may be asked to drain it if the gauge doesn't work.
8. Windshield may be left in car OR you can remove windshield!
9. NO CREASING ON THE BODY IS ALLOWED!!!!
10. Stock type springs and shocks. No solid suspension. SCREW IN TYPE spring risers ARE OK, NO wire, chains or any weld on rear ends or rear spring pockets. Cars must bounce & cars must be STOCK!!!!
11. You must use factory rear end for the car you are running.
12. You may weld spider gears in rear end to make it posi. No gears are allowed, you must use stock axles. You are not allowed to change the gear ratio or use aftermarket axles. This will be the driver's responsibility to prove they are not changed.
13. Bumpers: • You may only use an 80 & Newer bumper on car. It must bolt on in the factory location and you may collapse the shocks and weld all the way around the shock and the plate to bumper. Dec bumpers are permitted ends must remain open no metal added to bumper is allowed. If car has no shocks bumper may be welded directly to frame with no metal added. • On the back side of bumper where shock mounts you may use a ¼" X 6" X 6" piece of flat metal to create a flat mounting surface.

14. If the car has a wiring harness in front of core support you may move it behind core support.
15. All body bolts must be factory stock no altering permitted.
16. One bar can be added behind driver's seat. Max diameter 3" with a 6"x6" plate on each end.

## **2020 PRO STOCK Rules- any year car (imperials are allowed)**

### **Frame & Bumpers**

1. Trailer hitches and braces must be removed.
2. No frame welding other than what is stated in the rules.
3. You may cut the flaps and tilt the frame in 1 place and in 1 direction. No seam welding on frames permitted.
4. No Shaping or hammering of the frame is permitted. You may crease, notch, or dimple rear 12" of the frame to help car roll.
5. Homemade front bumpers are permitted. If you choose to manufacture a homemade bumper, it must conform to the following size limits. It can be no larger than 8"X 8", The point must taper over an area of at least 32" wide and cannot exceed 12" wide (front to back). The point may only extend out 4" from the flat part of the bumper. If using a factory bumper it may be loaded or stuffed full.
6. You may mount front or rear bumper in 1 of 2 ways. a. 1st being bumper may weld to factory shock in factory location. b. 2nd front frame may be shortened to front edge of body mound and bumper maybe welded directly to the frame. On the back side of bumper where it meets the frame you may use a ¼" 6"X6" to create a flat mounting surface.
7. Car must set level bumpers cannot be higher than 22" to bottom of bumper or lower than 14" to the bottom part of the frame.
8. You may have a 6" x 20" hump plate this may be straight across or contoured to the frame and must be centered in the hump.
9. 4 fix it plates 4"x4" are permitted on pre-ran and fresh cars.

### **Body & Cage**

1. Doors may be welded 5" on 5" off with no thicker than ¼" 3" X 5" material or can be fastened shut with #9 wire or banding Drivers door may have a door skin no thicker 1/8" and may be welded all the way around.
2. Trunk lid must be from the make of the car and must be a trunk lid (no hoods). You can fold trunk lid over or pushed down, trunk must remain on factory hinges. Quarters must remain in factory position no welding deck lid to trunk floor. Body creasing is ok. Deck lids may be welded with 3" X 5" X 1/4" plate 5" on 5" off. Speaker deck must remain intact.
3. Hood can be bolted down in 6 places 4 spots sheet metal to sheet metal and 2 front body mounts that may extend through hood. If using wire, you may use 8 double strands of #9 wire 2 may go around bumper and or frame. Hoods must be open for inspection. (12" x 12" hole over carburetor). You must have a 12" X 12" inspection hole in deck lids.
4. Factory body bolts may be changed to 5/8" bolts there must be a 1 "gap between body and frame you can use steel spacers, hockey pucks, or stack of washers nothing used may be bigger than 3" in diameter. Body washers inside of car can be no bigger than 3" in diameter. The front 2 body mounts may be 1" and extend up through hood.
5. No seam welding will be permitted on body. Repairing sheet metal is limited to where the battery box and gas tank and driver's area of the floorboards of the car.

6. Front body spacer may be 6" tall maximum and must remain below the core support.
7. You may have a bar in the dash area and a bar behind the seat with bars connecting the dash and rear bar on each side. Side bars must be inside of car not inside of doors. Roll over bar is permitted No down legs permitted. Gussets permitted in corners of cage must be done at corners only. No bigger than 4" in diameter bars no longer than 60" and you can use a 1/4" X 10" X 10" plate to attach bars to the sheet metal. No kickers or down legs permitted. You may have a gas tank protector no wider than 32" may touch the package tray but may not be attached in any way.
8. Dash bar must be 5" from firewall rear bar can be no farther back than where the kick panel meets the seat all bars must be 5" off the transmission tunnel.
9. Original gas tank must be removed and replaced with a boat-type tank or fuel cell. Moved inside of car behind driver's seat but no further back than rear axle. Batteries must be moved to passenger side floorboard and securely fastened these must be covered with A rubber or non-flammable material.
10. You may use expanded metal no thicker than 1/8" or a factory air condenser on core support in front of radiator this may be attached with 4 – 3/8" bolts or 4 – 1" welds
11. You may have 1 front and 1 rear window bar that cannot be any thicker than 3" X 1/4". These may attach to the sheet metal no more than 6" on roof and deck lid.
12. You may have 4 1/2" bolts per wheel well.

### **Suspension**

1. Any Tie Rods may be used. On 03 and newer you must use the factory rack and pinion. Any rear end permitted if u run a rear end brace it cannot reinforce the frame or be any wider than 10".
2. Watts link conversions on 98 and newer cars are permitted you must use 1/4" X 2" X 2" square tubing or 2" round pipe for rear trailing arms .Upper and lower mounting brackets uppers must be mounted to the package tray and lowers must be mounted on side of frame. (Cannot be mounted inside or on top or bottom of frame) can be no larger than 7" X 7".
3. You can weld front a-arms down using a 1/4" X 2" X 4" piece of steel front and back side of aarm. No other weld is permitted on a-arm.
4. No spacers or other metal permitted in, on top of, or around coil spring inside of frame on front coil springs.
5. Rear coil springs may be wired or chained. Solid suspensions are ok. All suspension components must remain factory stock no modifications will be permitted. Cars do not have to bounce. Front coil springs must remain stock car coil springs. You may use 1" all thread for shocks no bigger than a 3" washer and it must be standard nuts.
6. Leaf spring cars must remain factory springs. You cannot change coil spring to leaf spring set ups.
7. Any tire may be used.
8. On 03 and newer fords you must use factory aluminum cradle and suspension components you may use 80s style spindles and only 80s style spindles. You cannot tilt a 03 and newer ford.
9. No aftermarket spindles allowed. If you use aftermarket ball joints the collar you weld in or bolt in can only be a 1/2" bigger than the ball joint.
10. If you run a sway bar it must be mounted in the factory position the ends can be heated and bolted to the a-arm with no bigger than a 1/2" bolt. Must have a 1" gap from pulley protector. Engine,

### **Transmission & Drivetrain**

1. Any car motor of choice is allowed. Must use frame mounts that have a rubber style bushing like a factory style mount. ZTR or equivalent mount will be permitted. No solid mounts permitted. No chains on engine allowed.

2. Transmission cross member can be a factory one or a 2" X 2" square tubing only must be straight.
3. Angles for cross member can't be longer than 7" and 2" X 2" must be within 12" from factory location. 4. Lower Engine cradles and pulley protectors are permitted.
4. Trans braces and no aftermarket bell housings or tail shafts are NOT permitted. Slider driveshafts are permitted. **\*\*NO DISTRIBUTOR PROTECTORS OR MID PLATES\*\***
5. Aftermarket gas pedal, brake pedal, steering column, trans cooler are permitted these must not be mounted in a way to strengthen car.

## **Compact Cars Rules**

**108" wheel base V8 or less or any front wheel drive 4-6 cylinder car.**

**Full cradles and bead locks are not permitted.**

### **BODY**

1. Doors may be welded all the way around on outside of body only with ¼" x 3" wide strapping no excessive overlapping of strapping is permitted. Door tops can be welded, no metal added.
2. Deck lids and tailgates may be welded 45" total using ¼" x 3" wide pieces of steel or 9 wired or banding in 8 spots. Deck lids and tailgates must be in original location deck lids may be folded down in the trunk, trunk lids may be dipped along with speaker deck. Speaker deck can be removed, but trunk lid can only be welded to quarter panels and tail light assembly only nothing may be welded inside of trunk. Deck lids must be factory for make and model of car.
3. Hood may be 9 wired in 8 places or bolted in 6 places bolts may be 5/8" in dia. front 2 body mounts may extend through core support and used as front 2 of the 6 hood bolts 1" all thread max you cannot sleeve the all thread with anything from bottom of core support and above. A 12" hole minimum must be in the hood.
4. No interior body seam welding will be permitted. Doors can be welded on outside of body only. On pre-ran cars the doors may be repaired back to stock. Rust repair is limited to floor boards and roofs only.
5. You may have a window bar or wire in windshield and rear window if using metal, it can be no thicker than 3/8" and no wider than 3" you may use 2 x 2 pipe. Not solid. These may not touch the rollover bar. They can be welded to roof and firewall no more than 6" from the window area. And welded to the floor directly above rear axle the rear window bar cannot be attached to anything else except for roof of car and floor pan and welded 6" at the rear window on roof and 6" on floor pan.
6. Hoods must be open for inspection. (12" x 12" hole over carburetor.
7. Cars may not be smashed flat if cars are tucked the rear quarter panels must stay at the factory height deck lids must be in factory location (above rain channels).
8. You can add a piece of angle (4" x 4" x ¼" max.) to top and bottom of the core support but can be no longer than 1" wider than the radiator no other metal permitted on core support. No other metal permitted to be welded to core support.
9. Original gas tank may be removed and replaced with a boat-type tank or fuel cell Moved inside of car behind driver's seat but no further back than rear axle. If fuel tank is in front of rear axle you may leave it in stock location. No stock fuel tanks permitted inside of car. Batteries must be moved to passenger side floor board and securely fastened.

### **CAGE**

1. You may have a 4-point cage surrounding the drivers compartment with a roll over bar. Bars 6" diam. Max must be sheet metal to sheet metal only. Dash bar must be 5" away from all sheet metal, the bar behind the seat can sit no further back than 12" from rear of driver's seat and must be at least 5" off the floor measured from the highest part of the floor/ driveshaft tunnel. You may use a rollover bar from front side of roll bar across the roof down to dash bar this may not connect to sheet metal. Door bars
2. No angling of roll over bars permitted.
3. You may have gussets in cage at the corners. They must be within 6" of corners of bars only no other gussets will be permitted.
4. You may use a floating gas tank protector that comes off the back bar but it cannot be wider than 24" The gas tank protector or holder may go all the way back to the sheet metal. The gas tank protector must stop at the sheet metal in front of rear axle and rear seat metal cannot be welded.
5. A center bar from rear seat bar to dash bar is permitted. You may use a bar from the roll over bar on roof across the front roof down to dash bar. Door bars may not extend farther forward than the firewall.

### **FRAME**

1. Trailer hitches and braces must be removed. No plating, pinning, heat treating, stuffing the frame of any kind. Do not paint frame. No welds on frame or K member may exceed a single pass no weave passes or building the weld up will be permitted.
2. No frame creasing or hammering permitted. You can notch or crease rear frame this is to help rear of car roll not to strengthen the frame. Frame welding is limited to front and rear bumper areas. you may do one of the following not both 1 you can weld 1 seam per side on body from firewall forward or 1 seam per side on k member with no metal added. Front frame may be shortened to front side of core support. Core support must remain in stock location.
3. If a frame section needs to be replaced or repaired (rust) you must call first.
4. Angles for cross member can't be longer than 5" and must be within 12" from factory location.
5. Sway bar and bracket may be welded to the frame this must be in stock location and must only be welded to bottom of frame.
6. 4 fix it plates can be added to fresh or pre-ran cars ¼"x4"x4" (2 per side)

### **BUMPERS**

1. Homemade bumpers are permitted they must be no bigger than 8"x8" square tubing. No homemade points added. No sharp or excessive points will be permitted. Bumpers can be loaded.
2. Bumpers may be no lower than 14" and no higher than 20" to bottom of bumper this will be strictly enforced. Bumper seams may be welded metal may be added to bumper this must be done on the inside of the bumper front bumper only. Rear bumper may be seam welded no metal may be added to rear bumper.
3. Bumper shocks and bumper brackets may be welded to the frame. Bumper brackets and or shocks must be no longer than 12" in length and welded to inside or outside of frame if welded to outside of frame they must be on the side towards the outside of car. They will be measured from back side of bumper back. You can hard nose the front bumper you may use a 2" x 6" x ¼" plate to weld bumper the

4. Frame 2 per mounting point these plates must be on side of frame not permitted on top or bottom of frame. You may weld shock to frame factory bumper shocks can only be 12" from end of frame and may not be moved back on frame.

### **ENGINE / TRANSMISSION**

1. No chains on engine permitted solid or aftermarket mounts are ok.
2. Distributor protectors are allowed.
3. Oil pan and transmission pan may be plated the plate used may be only 1" wider than the pan they are welded to. They may not connect in any way.
4. No steel bell housings permitted.

### **SUSPENSION**

1. You may modify tie rods. Valve stem protectors are permitted. A-arms must remain in stock configuration. Any tire permitted. Rear trailing arms may be home made no bigger than 2 x 2 square tubing or pipe.
2. Upper a arms may be welded down with a ¼" x 2" x 2" piece of steel on front and back side of upper a arm and you may plug weld the center of the a arm. Lower a-arms may not be welded. Cars do not have to bounce. Solid suspension is allowed. Coil springs in rear may be welded wired or chained to rear end. Rear end protectors may be used but may not be used to strengthen car in any way. Leaf spring cars may replace broken springs with factory ¼ "leaf springs only. No more than 5 springs allowed and must have a 2" stagger and mounted in factory location you cannot change coil spring to leaf spring set ups.
3. Idler arm must be bolted factory to frame no bolts will be permitted all the way through the frame. Sway bar may be welded to bottom of frame in the factory location you may use a 1 ½ " x 4" bracket or a 2" square tubing or pipe to weld to sway bar to attach to frame. You cannot move the sway bar they must mount in factory location.
4. On front wheel drive cars, you may reinforce the rear axle assembly with 2" x 2" square tubing, 2" angle or 2" wide flat plate this may not in any way reinforce the body of the car nothing bigger than 2" X 2" may be used. And the 2" X 2" can attach to rear hubs.

### **Full Size Truck Rules/Mini Trucks & Mini Vans follows Full Size Truck Rules**

NO STRAIGHT FRAME TRUCKS ("STATE FRAME") ABSOLUTELY WILL NOT RUN! MAX FRAME THICKNESS .25". Truck frame must be a factory 1 ton or smaller frame that came with a 6 or 8' bed. (not a box truck or straight bed)

1. Any American made truck is permitted that came with a factory 6' or 8' bed. 4-wheel drive trucks may only run 2WD (pull a driveshaft). Any STANDARD ONE TON and down is permitted. If truck frame has extra support brackets or is beefed up from the factory you better call before building and we'll come look at it! Officials decision will determine if it can be ran!! Suburban's are permitted.
2. **Tailgates may be welded shut using 3"x¼" strap.** A maximum of 48" of strap may be used. Back bumper or tailgate has to be 16" of the ground. No wrapping quarter panels to bumper. Doors can be welded solid with 3"x3". Driver's door can be skinned.
3. Beds must be welded to the cab of the truck with a 3" strap directly behind the doors.
4. An interior four point cage is required to compete. The cage may not extend outside of the cab into the bed. However, it may attach vertically to the frame in four locations. No metal may be added to the frame to attach the cage. The vertical bars must be welded directly to the frame.

5. Car bumpers may be used. Factory bumper brackets can be used or 3"x3" angle or square tubing 8" long.
6. A single piece of 3"x3"x1/4" angle iron may be welded from the left front frame rail to the right front frame rail (in front of a-arms) on all front coil sprung trucks only. Front leaf sprung trucks may use a chain from rail to rail or from the engine cradle to each rail.
7. Trucks must securely fasten gas tanks directly behind the center of the cab in the bed. Gas tank protector can be a max 24" off back of cab and no wider than frame rails.
8. 48" piece of 1/4"x2"x2" angle may be welded on inside of tailgate.
9. Fix it plate rule 6"x6"x1/4" follow car rules! If abused plate will be cut off!!!! Can be added to fresh or pre-ran trucks.
10. NO HUMP PLATES
11. C-channel front frame trucks can run kickers off the front bar to the middle to the A arms no bigger than 2"x2" square tube. Boxed framed trucks down bars have to stop at firewall.
12. Front bumper height is 26" to bottom of bumper.
13. Homemade bumper can be max 8"x8" square tube loaded.
14. Max 10 leaf's on rear must have a 1" stager. Max 5 clamps permitted per side.
15. Factory front leaf springs only, no conversions. Must have factory brackets.
16. No bead locks.
17. 20" must be at least 20" to bottom of the rear frame.
18. No Smashing bed sides down.
19. All thread only to lock rear suspension.

### **80's Semi Stock (fullsize car)**

1. Any STOCK American made 1980 or newer hardtop may be used. 2003 and newer Ford Motor Company full size cars, Crown Vic, Interceptor, Grand Marquis allowed MUST HAVE ORIGINAL FACTORY FRONT CRADLE, FRONT SUSPENSION AND STEERING.
2. Engine may be swapped (Chevy to Ford, Ford to Chevy etc.). HAS TO HAVE STOCK RUBBER MOUNTS. No engine cradles or distributor protectors. Weld or wire engine and transmission mounts in.
3. Hoods may be wired in six locations. 2 strands of 9 wire per hole. Sheet metal to sheet metal 2 spots to frame or bumper. Hoods MUST be open for inspection. Front and rear fenders may be trimmed for clearance.
4. Drivers door only may be welded solid. All other doors can be welded shut with 12" total per vertical door seam OR 6 locations per side 2 strands of 9 wire per hole not both. Sheet metal to sheet metal.
5. Trunks and tailgates may be wired shut in 6 locations or welded 6 places 3"x3" plates. Must have inspection hole if welded. 2 strands of 9 wire per hole and sheet metal to sheet metal 2 spots can go to frame or bumper. Trunk lids can be tucked, must be 8" off the floor. No changing the factory quarter panels.
6. NO WEDGING, TUCKING, SMASHING, COLD BENDING, TILTING OR PINNING OF QUARTERS OR BODY. Body must be stock appearing. Quarters maybe cut for wheel clearance. Radiator front plate can be no thicker than 1/8" only bolted in 6 spots with 3/8" bolts with a max 1" overlap on core support material.
7. NO extra body mounts. MUST have stock rubber mounts, spacing and can add 6" body spacers at core support. No bigger than 5/8" all thread can run through the hood.
8. 4"x6" hump plate 1/4"max can be added to the outside of the frame and cannot be formed in any manner. Or can be chained from hump to hump. One or the other.

9. Front Bumper may be swapped for any factory car bumper. Must have stock bumper mounts and may be welded to the mounts only. No extra metal may be added.
10. ALL suspension parts MUST be stock. May weld or wire in the rear coils.
11. May change body mount bolts. To a max ½" bolt with a max 3" washer.
12. 5 lug rear end only.
13. Frames may be notched BUT NOT welded back together.
14. 4- 3/8 bolts can be added to each side of quarter panels.

### **Engine**

1. Full engine cradles, distributor protectors, header protectors, carburetor protectors, etc... are not permitted. Lower pulley protectors are allowed but must have a 1" gap between sway bar.
2. Lower engine cradle is permitted for mounting purposes only! May not reinforce or strengthen the car in any way!
3. Engine swaps are permitted. must be mounted to factory K-member/cradle only. Motor must be welded straight down from factory motor mount to frame.
4. Stacks/headers are permitted. Engine may be welded or chained to K-member only not to frame!!

### **Transmission**

1. Aftermarket shifters and slider shafts ARE permitted!
2. Trans protectors, braces, aftermarket bellhousing, and tail shafts are NOT permitted!!
3. Aftermarket transmission coolers are permitted.

### **Frame-Suspension**

1. 02 and down can pull front frame down using 6" core spacers and no more than 2" spacers at firewall.
2. 2003 and newer fords are permitted, must have factory cradle steering and suspension! Front frame cross bar from frame rail to frame rail must remain in factory position or be removed.
3. Front suspension may be welded. If welded a maximum 2"x2"x1/4" plate is allowed on front and rear of upper a-arms bottom a-arms may NOT BE WELDED!
4. Must run factory front suspension components. No aftermarket or reinforced ball joints or spindles.
5. You may cut/notch/dimple the rear frame to help roll. Notched areas may NOT BE REWELDED!!!
6. Frames may NOT be shortened, front or rear!!!
7. Rear suspension may NOT be solid. Must bounce!
8. A chain or two strains of wire may be attached between the humps to prevent rear frame from hitting the tires.
9. Front sway bars may only be attached using factory brackets and mounts. NO WELDING!
10. NO FRAME SWAP (1998 FRAME/ 1998 BODY ECT....)
11. No package tray swaps.
12. GM's can be seam welded from firewall forward ¼" bead top of frame only. Also, hump plates can be 4"x12" or two 4"x6"x ¼" per side. Must remain in arch of the hump.
13. No welding holes shut in frame.

### **Tires**

1. Any air filled tires are permitted.

2. Stock wheels only. Full wheel centers, wheel protectors, bead protectors, bead locks are not permitted!

### **Fix it plates**

1. 4 fix it plates maybe added to fresh cars except 03 and newer fords.
2. May use 2 fix it plates per side PLATES NO LARGER THAN 4"x4"x1/4".
3. If size or thickness is abused, it WILL be cut completely OFF!!!
4. 03 and newer fords may only have 2 fix it plates and must be visibly bent or will be removed completely.

### **Electrical and Battery**

1. **Only one battery allowed** must be securely fastened and covered before inspection.

### **Rear-end**

Any factory 5-lug automotive/passenger car rear-end housing is permitted. Internals, gears, and axles may be or upgraded. Rear-end housing maybe NOT be reinforced in any way.

Rear-end braces, after market axles tubes/housings, axle protectors, oversized bearing ends or any other housing reinforcement is NOT permitted.

Stock-like trailing arm brackets and coil spring perches may be welded onto a non-coil spring rear-end for mounting purposes only. May not be used to strengthen rear-end.

98 and newer fords watts rear-end conversion is permitted. Watts conversion brackets are permitted.

Trailing arms may be reinforced or 2X2" square tubing. Lower training are frame mounts may be no larger than 4X4" welded to the inside (side) of frame. Upper conversion brackets may only attach to package tray of frame and may not be bolted to the body or attached to the frame rails in any way.

Brackets must be 3" away from frame rails.

The outer rear-end brackets must be removed from frame.

### **Drivers Compartment**

1. May have a 4 point cage around drivers compartment for safety. Maximum material dimension is 3" bar, square tube, channel, ect... One bar may be located behind the driver's seat, across dash, and two connecting bars along driver and passenger doors max 60" long.
2. The bar behind the seat can sit no further back than 6" past front door post.
3. A roll over bar is permitted May not be attached to the floor or frame
4. The cage bars may be attached to sheet metal only with a maximum 12"x12"x1/4" plate. Cage may NOT attach to frame. If the cage bars are not weld securely, they must be removed for your safety!
5. A gas tank "holder" is permitted. Holders may attach to floor or cage. If attached to cage, the holder may be up to 24" wide and must be 5" away from ALL sheet metal on all car. This rule will be strictly enforced. If less than 5" gap the holder will be removed.
6. 9 wire from roof to firewall and roof to speaker deck or straight down to the floor. 3" wide flat bar can be added 3" on the roof and 3" to the firewall. Also, rear window bar 3"x1/4" flat bar 3" on the roof and 3" on sheet metal of speaker deck.
7. **IF you cut firewall out, no metal can be added.**
8. Aftermarket pedals are permitted.
9. Two spots of 9 wire can go from roof to frame.

MUST RUN ALL FACTORY STEERING, HOWEVER YOU CAN RUN AFTER MARKET COLUMN. YOU CAN ADD ONLY HAVE 2 KNUCKLES DO NOT FOLLOW REGULAR CAR RULES THESE ARE THE STOCK RULES

## **Bumpers**

1. Any year factory bumper, may be used and seam welded, but not loaded.
2. After market bumpers may be used. Max 10 gauge with 2 end caps and 3 gussets. Call for approval. Must have 1 ½"X1 ½ " inspected whole at each end. May be seam welded, but not loaded.
3. 03 and newer fords may only use 80's and newer front bumper with 4" on 4" off seam weld.
4. Front bumper can be hard-nosed with no metal added and no shortening of frame.

## **Youth**

Follow compact rules unless stated below

This class is for the kids AGES 11-16. Bring Birth Certificate in case of a challenge of age. To let them learn to strip cars out and build a car to the rules and sportsmanship win or lose. Upon arrival a notarized parent and/ or legal guardian consent form must be filled out or you will not be allowed to participate. A parent and/ or legal guardian must ride with the driver. This is for instructional purpose as well as a possibly emergency situation.

1. A factory 4 or 6 cylinder front wheel drive only.
2. Both front doors must be painted white.
3. Hoods may be wired in six locations. 2 strands of 9 wire per hole. Sheet metal to sheet metal NO frame or bumper. Hoods MUST be open for inspection. Front and rear fenders may be trimmed for clearance. No bolting or welding inner fender to outer fender or rolling fenders.
4. Drivers and passenger doors can be welded solid. Drivers and Passenger's front door MUST have a bar or reinforcement on outside of doors, must stop at front doors. All other doors can be welded shut with 3 wide strips OR 6 locations per side 2 strands of 9 wire per hole not both sheet metal to sheet metal.
5. Trunks and tailgates may be wired shut in 6 locations. 2 strands of 9 wire per hole and sheet metal to sheet metal. Hoods MUST be open for inspection.
6. May weld or wire in the rear coils.
7. Two locations of wire or rod must be placed from front cowl to the front of the roof to prevent hood entry into the driver's compartment.
8. Stock batteries must be removed from the original position. A battery must locate in the driver's compartment behind the front seat and securely fastened to the floor. The battery must be covered.
9. No loaded bumpers or homemade points. Homemade bumper can be 6"x6" square tubing.
10. Front doors can be welded solid. Rear doors and trunks can have four, 6"x3" plates.
11. No homemade rear axles or struts.
12. No fixit plates on fresh cars. Four fixit plates max. Must have visible bend 2 per side.
13. No bumper shocks or brackets bumper can be hard nose with two 3"x3" plates added from frame to bumper.
14. No plating of A-arms.

## **LAWN MOWERS RULES AND REGULATIONS**

1. The garden or lawnmower must have a factory frame, no homemade frames.
2. Must be a front engine mower, no rear engines allowed.
3. All mowers must have factory stock engines.

4. Transaxles must be factory; reinforcing or spider gears is allowed.
5. Reinforcing the frame is permitted.
6. Reinforcing around engine is allowed, but cannot be outside of the hood.
7. Hoods must remain factory. Hoods can be screwed down or welded. If hood is fiberglass, you can make a hood from sheet metal, but it is not allowed to be any bigger than the fiberglass hood was.
8. Brakes must be in operation when pulling in for heat race, must also have forward and reverse gear.
9. Gas tank must be fastened with cap on, if it comes loose or gas leaks you will be disqualified.
10. Some sort of leg guard is mandatory before entering arena, must go from rear fender to front foot rest or frame, and must be of 1-2 inch diameter.
11. The front of the frame under grill may be strengthened for hitting but must be a smooth finish, no front bumpers allowed.
12. A rear bumper is recommended, but not mandatory. It cannot extend 4 inches out from rear of mower. Some sort of back protection is recommended, but not mandatory.
13. Pulleys can be changed to increase speed.
14. Drivetrain modifications are allowed to change gearing but must stay original. (belt drive stays belt drive, chain drive stays chain drive)
15. Wheels must have factory rims with no modifications, tires of choice. No dual wheels or cut tires.
16. Mower decks must be taken off before entering pits, plus all headlights and any other plastics must be removed before entering pit area.
17. NUMBER MUST BE SOMEWHERE ON EACH SIDE OF MOWER. NUMBER MAY BE ON HELMET ALSO.
18. If mower does not pass inspection, or participant refuses to fix something, there will be no refunds.
19. Officials have final say, we reserve the right to check mower after the derby.
20. Driver must wear helmet, pants, long sleeve shirt, and eye protection when entering the track and during the derby.
21. No direct hits to the driver's area.
22. If you are rolled over, the heat will be stopped, and your lawnmower will be placed back on its wheels and you will be eliminated.
23. During the competition you must initiate contact within two (1) minutes. If at any time you cannot make contact within the time limit you will be disqualified 24. All motion to be halted upon signal from referees in case fire, injury, and other emergencies.
24. No hits when opponent is out of bounds.
25. No pit racing.
26. Drivers will inspect each other's mowers before the driver's meeting and will bring up any concerns after the meeting with the officials.

### Figure 8 race

1. Each driver must fill out an entry blank. All drivers must supply their own cars, only one entry per person.
2. Each driver must be 16 yrs old or must hold a valid driver's license and have a notarized release signed by parent.
3. If you are pregnant, have back problems, and /or heart problems you are not allowed to run!!
4. The track owners or promoter reserves the right to approve or reject any entry.

5. Only owners, drivers, mechanics, etc. who sign the release sheet will be permitted in the pit area. Drivers only on the track.
6. The promoter, track owner or fair association will not be held responsible for any cars, parts, or personal property before, during and after show.
7. Each car must be signed in and inspected at the track at least 1 hour prior to show time. Only 1 RE- INSPECTION PERMITTED!! If you do not pass the 2nd time, you will be disqualified with No Entry Re- imbursement. Official's discretion will be used!!

#### PREPARATION OF CAR

1. Remove all trim, emblems, plastic and glass (windows, lights, etc...) Sweep the car out from debris, BEFORE INSPECTION!!
2. Any sharp protruding fins or dangerous objects (smash down or cut off).
3. Chrome molding strips and bottom portion of back seats must be removed.

#### BUMPERS

1. Bumpers may be flipped over.
2. No trailer hitches
3. Cutting bumpers ends (fenders) for wheel clearance is allowed.
4. Bumpers can be loaded.

#### DOORS

1. It is recommended that the Driver's door be painted White. A roof sign/number is allowed. IT MAY NOT REINFORCE ANY PART OF CAR!!
2. It is recommended the driver's door be reinforced with steel bar, angle iron or pipe.
3. A strong wire or mesh screen is recommended on driver's window & windshield area. Chain, wire or metal bar is STRONGLY recommended from driver's door to roof 12. All doors are recommended to be fastened shut by wire, straps, chained or welded (steel no bigger than 3" in width and 1/8" thick) nothing to frame! NO OVER LAPPING!! Note: any metal wider or thicker is ILLEGAL and will be removed!!
4. 3 or 4 – POINT CAGE & ROLL OVER BAR:
5. A 3 or 4 point cage is recommended for DRIVER SAFETY.

#### BATTERY & GAS TANKS

1. NO Alcohol motors
2. Stock gas tanks MUST be removed from the original position!! Replacement tank must be placed in the back seat area; all tanks must be securely fastened to floor and covered; a portable tank is recommended in place of the original. Gas tanks and fuel lines must be completely covered before inspection. Rubber hose inside car. Steel gas tanks or Neoprene Construction approved tanks can be used.
3. Only ONE battery, any size, is allowed. It MUST be securely fastened and COMPLETELY covered. NO MILK CRATES ALLOWED!!

#### HOOD & ENGINE COMPARTMENT

1. No spray devises or cans allowed in cars.
2. Exhaust stacks/ headers must point directly upwards!!
3. Firewalls may not be totally removed. If altered, the hole must be covered with something fire proof. This is for YOUR protection!!

4. Radiators, transmissions coolers and heaters must remain in original position or in engine compartment. In front of firewall. Radiator overflow hose must point STRAIGHT DOWN!!
5. Homemade radiators are allowed.
6. Carburetor must have some sort of cover/air cleaner attached to it!!
7. DOUBLE TIRES are allowed!! NO liquids, concrete or other material in tires permitted. No studs or screws in rims. No studs in tires.
8. No metal may cover or protect tires. No bead-locks. Valve stem protectors are ok.

#### RUNNING

1. Seat belt or Safety belt, Z-90 approved helmet (full face recommended) GOGGLES OR FACE SHIELD ARE REQUIRED.  
Neck braces are highly recommended!!
2. Fire retardant suits, clothing or hood is recommended for personal safety. (NO shorts and must wear shirt) D. NO deliberate head-on collisions and NO deliberate hitting in driver's door.
3. Vehicles must have dependable brakes at all times and Boundaries observed.
4. NO alcohol or drugs on track or in the PIT area. ANYONE under the influence of alcohol or drugs will be immediately disqualified.
5. No cars are permitted in the competition area before the heat in which they are to participate.
6. A vehicle will be disqualified if the driver's door comes open during the heat, or catches fire.
7. A \$100.00 Protest fee is required to contest another car. If you are a driver, you must give the head track official \$100 cash! You then must state what car is illegal and where it is illegal. If you are right you WILL get your \$100 back, if you are wrong, you will forfeit that \$100. Derby officials reserve the right to inspect any car at any time!!
8. Any vehicle visibly leaking fuel will be disqualified!
9. Fire extinguisher is recommended at close reach in driver's compartment.
10. Any driver or crewmember disobeying the rules will cause his or her car to be disqualified.
11. Unsportsmanlike conduct will not be tolerated and will be grounds for disqualification and barring from future derbies.

DRIVERS ARE RESPONSIBLE FOR THE ACTIONS OF THEIR CREW MEMBERS.

FINAL WINNERS MAY BE INSPECTED.

THE DECISION OF THE DERBY OFFICIALS WILL BE FINAL!!

#### RULE BOOK DISCLAIMER

The rules and/or regulations set forth herein are designed to prove for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall serve the conditions of all events, and by participating in these events, all participants are deemed to have complied with these rules. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATION OF OR COMPLIANCE WITH THESE RULES AND REGULATIONS. They are intended as a guide for the conduct of the sports and are in no way a guarantee against injury or death to a participant, spectator, or official. The race director shall be empowered to permit minor deviation from any of the specification herein or impose any further restrictions that in his opinion do not alter the minimum acceptance requirements. NO EXPRESSED OR IMPLIED 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 and the Fair

#### **Windshield wire class (compact cars)**

1. Any 1980 and newer front wheel drive car with "6" cylinders or less, may be pre run but must still conform to fresh car rules. Cars may be painted.
2. Windshield is preferred but optional, if removed you must have a vertical bar or wire in windshield area. All other glass must be removed. \*Cars with broken glass inside doors or around any window openings (covering with tape is not acceptable) will not run\*
3. Body/Bumpers: Bumper covers, outside moldings, mirrors, outside lights, hood latch, and exhaust must be removed (catalytic converter and forward may stay in place). No cutting, bending, hammering, or creasing body is allowed. Trunk lids and rear bumpers may not be removed. Cars with factory installed plastic or fiberglass "FRONT" bumper may replace them with a comparable bumper. No chrome bumpers. Bumper may be bolted on with up to four 3/8 bolts per side (8 total) or four 1/2" tack welds per side (8 total). The same will apply to pre-ran cars to replace bumpers that have been torn off in a previous event. Front bumpers may be wired to core support in 2 spots, two strands per spot (4 strands total). Rear bumpers must be stock and remain in place.
4. Broken tie rods may be welded but no adding steel or strengthening in any way.
5. Computer, all electrical components (except inertia switches), shifter, and wiring must remain operational and in original location and not be protected in any way other than spray foam insulation around battery. Fuel gauge should not read more than 1/4 tank, 5 gal maximum. Battery may remain in original location or be moved inside car if secured through the floor and suitably covered.
6. Doors must be wired or chained shut only at vertical seams and not to front fenders and front doors MUST have car number in contrasting color. Driver's side can have bar inside door for safety. One optional bar behind the seat may be bolted or welded with a 6"x6" plate at each end.
7. Hood must have 12" hole, hood and trunk may be wired shut in 6 spots sheet metal to sheet metal. 2 can go to bumper.
8. Original rims and radial tires (must have all four), no snow tires. You may run donut spares on the back.
9. Driver's side air bag must be removed or deactivated, any others are optional, no other interior to be removed with the exception of door panels for glass removal.
10. Gas tank can be moved inside car. Only wired or bolted directly to the floor. No bars added.
11. No using seatbelts or wire from roof to body.

## **Power Wheels**

This class is for the kids AGES 4-10. Bring Birth Certificate in case of a challenge of age. Upon arrival a notarized parent and/ or legal guardian consent form must be filled out or you will not be allowed to participate. This is a Fun Class to get small kids their first taste, of a Derby, any Power wheels that are too fast or heavy will not be allowed to run. This is for the Kids to have Fun!

1. Power Wheels for Kids 4 years old and up.
2. Stock, Electric, Regular Size, Power Wheels with up to a 12-volt lawn mower battery. Battery cannot be mounted in the passenger seat.
3. Helmets must be worn.
4. All doors, hoods, and tailgates must be strapped shut.
5. Use zip ties or duct tape to fasten shut doors, hood, and trunk. No sharp or protruding edges.

Track official and or inspectors' decisions are final.

Ryan Tittle 419-618-8785

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